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VARIAGENICS

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					The second second	_				Control of the Contro	.i						THE REAL PROPERTY.								
													:				記録観								
Adrenocorticotropic Hormone	PACAP	Enterostatin	Insulin	Leptin	Thyroid Hormone	Glucagon	Glucagon-Like Peptide	Insulin	Uncoupling Proteins	Somatostatin	Growth Hormone	Insulin-Like Growth	Factor	Fibroblast Growth Factor	Sonic Hedgehog	Nerve Growth Factor	Neurotrophins	Hormone Signalling		diyeoiyne rioteni	Maturation and	Protein Glycosylation	Neovascularization	Hemostasis	Amelioration of Oxidative Stress
Hormonal Regulation of	Appetite					Control of	Metabolism	Tremodium	Thermo- regulation				General	Growth	Control				Carbohydrate	Metabolism		1115		vascular	8

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Adipocyte	Retinoids								
Differentiatic	Differentiatio Peroxisome Proliferation								
Lipid Metabolism and Storage	Lipid Metabolism and Storage		-	Ale Ton Common to to make the					
سينمام	Calcium Metabolism								
Homeostasis		Receptors							
	Vitamin D				のでは				
Phosphate Homeostasis	Phosphate Metabolism								
Inflammation Cytokines	Cytokines		<b>新</b>	がある。					
(more genes Adhesion	Adhesion								
			Table 1	1. Cardiov	ascular or F	Table 11. Cardiovascular or Renal Indication	ion		
	Pathway	Anemia	Athero- sclerosis	Angina	Arrhythmi a	Hype-	Hypo-	Ischemia	
	Dopamine Pathway								
	Epinephrine and Norepinephrine Pathway								
	Acetylcholine Pathway								
	Serotonin Pathway							2	
	Adenosine Pathway								
	Histaminergic Pathway								
	Nitric Oxide Pathway			が記れる	10 miles				
	General Metabolism for								
Neuroendocri	Neuroendocri Peptide Hormones								
ne Control of	ne Control of (proteases and								
Heart Rate,	glycosylases)								
Vascular	Cholecystokinin (CCK)								
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								organist.																		112 TANK		
Neuropeptide Y (NPY)	Bradykinin	Adrenomedullin	Angiotensin	Vasopressin	Vasoactive Intestinal	Peptide	Natriuretic Peptide	Mineralocorticosteroids	Estrogens	Progestins	Androgens	Vascular Endothelial	Growth Factor	Growth Hormone	Endothelin	Transforming Growth	Factor Beta	Fibroblast Growth Factor	Somatostatin	Insulin	Insulin-Like Growth	Factor	Angiopoietin	Platelet-Derived Growth	Factor	Second Messengers	Apoptosis	Adhesion
Tone, and	Renal	Function												Growth	Factors					Growth	Factors				Grounth	Factors		-

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General Steroid	Hormone Metabolism	Lipid Metabolism	Purine Nucleotide Cycle	Structural and	Contractile Proteins	Sarcoplasmic Reticulum	Function	Mitochondrial Function	Response to Mechanical	Stress	Erythropoiesis	Heme Metabolism	Cardiac and Vascular	Channels	Renal Channels	Vesicle Transport	Gap Junctions	Clotting	Clot Adhesion	Inflammatory Cell-Mediated	Inflammation	Complement	Release of Membrane	Lipids	(common to PAF,	leukotrienes, and	Mediators of prostaglandins)	Inflammation Prostaglandins
Lipid	Metabolism 1	and Storage			Cardiac	Muscle	Structure and	Metabolism			Erythrocyte	Production		lon and		Transport		Thrombus	Formation	Inflammatory	Response	(additional				Vasoactive	Mediators of	Inflammation

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			ation	Peripheral Vascular Disease								Service of the servic			. •	•							
			Cardiovascular or Renal Indication	Restenosis			V me		<b>表现</b> 3.00										語が、古	<b>经验</b>	<b>海水粉袋</b>		
			ovascular or	Renal Disease	のでは	12.00	於影響			が正式な		の大学な	<b>计算</b>						ではいる。	學和對	がある。	<u> </u>	2
				Thrombos is						を記録が	2012											4cta01 xls	
	·		Table 11.	Heart Failure																			
racion (1 At )	Antioxidants and Free Radical Scavengers	Prevention of Lipid Oxidation		Pathway	Dopamine Pathway	Epinephrine and	Norepinephrine Pathway	Acetylcholine Pathway	Serotonin Pathway	Adenosine Pathway	Histaminergic Pathway	Nitric Oxide Pathway	General Metabolism for	Neuroendocri Peptide Hormones	ne Control of (proteases and	glycosylases)	Cholecystokinin (CCK)	Neuropeptide Y (NPY)	Bradykinin	Adrenomedullin	Angiotensin		
	Amelioration			-			1.							Neuroendocri	ne Control of	Heart Rate,	Vascular	Tone, and	Renal	Function			

VARIAGENICS

Leukotrienes Platelet Activating Factor (PAF)

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V asoactive Intestinal					
Peptide					
Natriuretic Peptide			THE STATE OF		
Mineralocorticosteroids			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Estrogens			<b>新新型</b>		
Progestins			が大変		
Androgens			<b>新州</b>	<b>新教</b>	
Vascular Endothelial			ing to		<b>新工作</b>
Growth Factor					
Growth Hormone			100 m		
Endothelin			為印物		
ransforming Growth					
Factor Beta		1			
Fibroblast Growth Factor			THE REAL PROPERTY.		
Somatostatin					
Insulin				<b>新疆</b>	
Insulin-Like Growth					
Factor					
Angiopoietin				4. 地名克	<b>多类类。</b>
Platelet-Derived Growth				新 <b>对</b>	
Factor					
Second Messengers		THE BEST	The state of	<b>新</b>	A. S.
Apoptosis				<b>然</b>	
Adhesion			<b>发展</b>	學人類學	
General Steroid				<b>新花</b>	
Hormone Metabolism					
Lipid Metabolism				<b>新</b> 了第一种	
Purine Nucleotide Cycle					
	tins gens ar Endothelial 1 Factor 1 Hormone Itelin orming Growth Beta last Growth Factor ostatin 1-Like Growth t-Derived Growth 1-Messengers on 1 Steroid In Steroid	rogestins arcular Endothelial rowth Factor rowth Hormone ndothelin ransforming Growth actor Beta bbroblast Growth Factor omatostatin sulin sulin sulin sulin stor ngiopoietin actor ngiopoietin	tins  gens ar Endothelial  1 Factor  1 Hormone clin  orming Growth Beta last Growth Factor  -Like Growth  1 Messengers on  1 Steroid  ne Metabolism  Metabolism  Metabolism  Mucleotide Cycle	tins  gens ar Endothelial  1 Factor  1 Hormone clin  orming Growth Beta last Growth Factor  -Like Growth  1-Like Growth  1-Lik	tins  gens ar Endothelial  1 Factor  1 Hormone clin  orming Growth Beta last Growth Soletin  1-Like Growth  1-Derived Gr

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Cardiac	Muscle Structure and	Metabolism		Erythrocyte	Production		Ion and	Water	Transport		Thrombus	Formation	Inflammatory	Response	(additional				Vasoactive	Mediators of	Inflammation			
Structural and Contractile Proteins		Mitochondrial Function	Response to Mechanical	Erythropoiesis	Heme Metabolism	Cardiac and Vascular	Channels	Renal Channels	Vesicle Transport	Gap Junctions	Clotting	Clot Adhesion	Cell-Mediated	Inflammation	Complement	Release of Membrane	Lipids	(common to PAF,	leukotrienes, and	prostaglandins)	Inflammation Prostaglandins	Leukotrienes	Platelet Activating	Factor (PAF)
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VARIAGENICS

Antioxidants and Free Radical Scavengers Prevention of Lipid Oxidation Amelioration of Oxidative E

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	V28M	တ	ဟ	V751M	ဟ	ო	က	ო	ო	က	Ø	ო
	82G>A	1380G>A	1440C>T	2251G>A	267G>T	1672G>A	5024G>A	5045G>A	5265T>C	3854A>G	1038T>C	2337T>C
	569	1567	1627	2438	360	1765	5024	5045	5265	3854	1044	2378
·····	Human mRNA for KIAA0358 gene, complete	cds Human mRNA for KIAA0358 gene, complete	cds Human mRNA for KIAA0358 gene, complete	cds Human mRNA for KIAA0358 gene, complete	Homo sapiens mRNA for	Homo sapiens mRNA for ZIP-kinase complete cds	Homo sapiens KIAA0413	Homo sapiens KIAA0413	MKNA, complete cds Homo sapiens KIAA0413	mKNA, complete cds Homo sapiens mRNA for KIAA0873 protein, partial	cds Homo sapiens p38beta2 MAP kinase mRNA,	complete cds Human requiem (HREQ)
	GEN- 1CL	GEN- 1CL	GEN-	GEN- 1CL	GEN-13J	GEN-13J	GEN-104	GEN-104	GEN-104	GEN- LAX	GEN- 18T	GEN.
	603584	603584	603584	603584	603289	603289	602233	602233	602233	None	602898	601671
	AB00235 6	AB00235 6	AB00235 6	AB00235 6	AB00714	AB00714	AB00787	AB00787	AB00787	AB02068 0	AF001174	AF001433
Table 12. Identified Variances In Genes for Pathways Identified in Cancer and Related Disorders	AB00235 6	AB00235 6	AB00235 6	AB00235 6	AB00714	AB00714	AB00787	AB00787	AB00787	AB02068 0	AF001174 AF001174	AF001433 AF001433

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	Ø	ო	w	ĸ	H270D	Ø	L32P	A67V	ო	S42L	က	ო	Ø
	480G>C	1366G>A	384G>A	(-1)G>A	808C>G	915G>A	95T>C	.200C>T	1258G>C	125C>T	781G>A	883C>A	387A>G
	782	1668	432	75	808	915	234	339	1397	271	781	883	455
mRNA, complete cds	Homo sapiens secreted frizzled-related protein	mkiNA, complete cds Homo sapiens secreted frizzled-related protein	mRNA, complete cds Homo sapiens stress- activated protein kinase 4	mRNÀ, Homo sapien kinase ,	complete cds Homo sapiens apoptotic caspase Mch5-beta mRNA, alternatively	spliced, complete cds Homo sapiens apoptotic caspase Mch5-beta	spliced, complete cds Homo sapiens death receptor 5 (DR5) mRNA,	Homo sapiens death receptor 5 (DR5) mRNA,	complete cds Homo sapiens death receptor 5 (DR5) mRNA,	Homo sapiens serine protease mRNA, complete	Homo sapiens Bcl-X/Bcl-2 binding protein (BAD)	Homo sapiens Bcl-X/Bcl-2 binding protein (BAD)	Homo sapiens death receptor 3 beta (DR3)
18D	GEN-	GEN-	GEN-UX	GEN-YA	GEN- 1HV	GEN- 1HV	GEN- 122	GEN- 1Z2	GEN- 1Z2	GEN- 20E	GEN- 2A5	GEN- 2A5	GEN- 26S
	None	None	602899	603014	601763	601763	None	None	None	602652	603167	603167	None
	AF001900 AF001900	AF001900 AF001900	AF004709	AF006689 AF006689	AF009620	AF009620 AF009620	AF012535	AF012535	AF012535	AF013988	AF021792	AF021792	AF026070
	AF001900	AF001900	AF004709	AF006689	AF009620	AF009620	AF012535 AF012535	AF012535	AF012535	AF013988 AF013988	AF021792	AF021792	AF026070 AF026070

	တ	L379R	H390R	S	S310L	က	ω	w	ო	R2201	Q596H	တ	တ	ო		က	
	1134T>C	1136T>G	1169A>G	1200T>A	929C>T	2605G>A	366G>A	438C>T	880T>C	659G>T	1788G>C	2865A>G	3726A>G	4300T>C	5461A>G	5492T>A	
	1202	1204	1237	1424	1011	2702	527	564	1006	842	1971	3048	3909	4483	5644	5675	
mRNA, complete cds	Homo sapiens death receptor 3 beta (DR3)	Homo sapiens death receptor 3 beta (DR3)	mKNA, complete cds Homo sapiens death receptor 3 beta (DR3)	mRNA, complete cds Homo sapiens serine/threonine kinase RICK (RICK) mRNA,	complete cds Homo sapiens decoy receptor 2 mRNA,	complete cas untitled	Homo sapiens integrin alpha-7 mRNA, complete	cds Homo sapiens calcium binding protein (ALG-2)	mKNA, complete cds Homo sapiens calcium binding protein (ALG-2)	MKIVA, complete cds Nuclear receptor	Coactivator (ACTR) Nuclear receptor						
	GEN- 26S	GEN- 26S	GEN- 26S	GEN- L9F	GEN-	GEN-	GEN-	GEN-	GEN- LCZ	GEN-7W	GEN-7W	GEN-7W	GEN-7W	GEN-7W	GEN-7W	GEN-7W	
	None	None	None	None	None	164875	600536	None	None	601937	601937	601937	601937	601937	601937	601937	
	AFUZBU/U AFUZBU/U	AF026070 AF026070	AF026070 AF026070	AF027706 AF027706	AF029761	AF030227 AF030227	ITGA7 AF032108	AF035606	AF035606	AF036892	AF036892	AF036892	AF036892	AF036892	AF036892	AF036892	
	AFUZBUIO	AF026070	AF026070	AF027706	AF029761 AF029761	AF030227	ITGA7	AF035606	AF035606 AF035606	AF036892	AF036892	AF036892	AF036892	AF036892	AF036892	AF036892	

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5868T>G	6481G>A	1902T>G		529G>A		O<9(6E-)	94A>G	124G>A	245C>T	100G>A	292G>T	430A>T	1239G>A	179C>A		(-21)C>T	343A>C	398G>C		0 1	588T>C
6051	6664	2086		528		65	197	227	348	149	341	479	1288	319		46	409	464			654
coactivator (ACTR) Nuclear receptor	coactivator (ACTR) Nuclear receptor	coactivator (ACTR) Homo sapiens	osteoprotegerin ligand mRNA, complete cds	Homo sapiens	mitoxantrone resistance protein 1 mRNA, partial	sequence Homo sapiens mRNA for maleylacetoacetate	isomerase Homo sapiens mRNA for maleylacetoacetate	isomerase Homo sapiens mRNA for maleylacetoacetate	isomerase Homo sapiens mRNA for maleylacetoacetate	isomerase Lipocortin II (Annexin II)	Lipocortin II (Annexin II)	Lipocortin II (Annexin II)	Lipocortin II (Annexin II)	Human mRNA for Ivmphotoxia (TNE-bata)	complete cds	Human mRNA for DAD-1,	complete cds Human mRNA for DAD-1,	complete cds Human mRNA for DAD-1.	Complete cds	complete cds	numan mKNA for DAU-1,
GEN-7W	GEN-7W	GEN	MM2	GEN-LTJ		GEN- 17S	GEN- 17S	GEN- 17S	GEN-	GEN-2D	GEN-2D	GEN-2D	GEN-2D	GEN-OD		GEN-	GEN-	1T5 GEN-	175 175	1T5	- - - - -
601937	601937	None	;	None		603758	603758	603758	603758	151740	151740	151740	151740	153440		600243	600243	600243	600243	600243	000043
AF036892 AF036892	AF036892 AF036892	AF053712		AF093771		AJ001838 AJ001838	AJ001838	AJ001838	AJ001838	D00017	D00017	D00017	D00017	D12614		D15057	D15057	D15057	D15057	015057	
AF036892	AF036892	AF053712		AF083771 AF083771		AJ001838	AJ001838	AJ001838	AJ001838 AJ001838	D00017	D00017	710000	D00017	D12614		D15057	D15057	D15057	D15057	D15057	

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620A>C	9560>G	984A>C	(-47)G>A	1261A>G	1784G>C	204C>G	232C>A	1619T>C	2992C>T	348T>C	861A>G	5282C>A 2256C>A	191G>A	
980	1047	1075	25	1332	1855	203	231	1646	3075	638	1151	5308 2432	232	
complete cds Prostaglandin 12	(prostacyclin) receptor (IP) Prostaglandin I2	(prostacyclin) receptor (IP) Prostaglandin I2	(prostacyclin) receptor (IP) Glycinamide ribonucleotide	transformylase Glycinamide ribonucleotide	transformylase Glycinamide ribonucleotide	transformylase Human IP gene for prostacyclin receptor, exon	Human IP gene for prostacyclin receptor, exon	Human mRNA for prostacyclin synthase,	Human mRNA for 5-	Human mRNA for	ceramide glucosyltransferase, complete cds Human mRNA for ceramide	glucosyltransferase, complete cds CAD PROTEIN Human mRNA for	KIAAU271 gene, complete cds Human mRNA for arylamine N- acetyltransferase (EC	
1T5 GEN-78	GEN-78	GEN-78	GEN-4	GEN-4	GEN-4	GEN- 4DH	GEN- 4DH	GEN- 4E3	GEN-	GEN-314	GEN-314	GEN-BR GEN-	43N GEN-465	
600022	600022	600022	138440	138440	138440	600022	600022	601699	129190	602874	602874	114010 601931	243400	
D25418	D25418	D25418	D32051	D32051	D32051	D38128	D38128	D38145	D38524	D50840	D50840	D78586 D87461	D90040	
D25418	D25418	D25418	D32051	D32051	D32051	PTGIR	PTGIR	D38145	NTS	D50840	D50840	D78586 D87461	AAC2	
	D25418 600022 GEN-78 Prostaglandin 12 726 636 620A>C	D25418 600022 GEN-78 (prostacyclin) receptor (IP)  D25418 600022 GEN-78 Prostaglandin I2 726 635G>A R212l (prostacyclin) receptor (IP)  D25418 600022 GEN-78 Prostaglandin I2 1047 956C>G S319v	D25418 600022 GEN-78 (prostacyclin) receptor (IP)  D25418 600022 GEN-78 Prostagandin I2 1047 956C>G	D25418 600022 GEN-78	D25418 600022 GEN-78 (prostacyclin) receptor (IP) D32051 138440 GEN-4 Glycinamide ribonucleotide 1332 1261A>G 1421A	D25418 600022 GEN-78	D25418 600022 GEN-78	D25418 600022 GEN-78	D25418 600022 GEN-78 (prostacyclin) receptor (IP) D32051 138440 GEN-4 Glycinamide ribonucleotide 1332 1261A>G (-47)G>A (1784G>C (-47)G>A (1784G>C (-47)G>A (1784G)C (-47)GA (-	D25418 600022 GEN-78	D25418   600022   GEN-78   Prostaglandin I2   Too complete cds   635G>A   R212    Prostaglandin I2   Too complete cds   635G>A   R212    Prostaglandin I2   Too complete cds   GEN-78   GEN-78   Prostaglandin I2   Too complete cds   GEN-78   GEN-78   Prostaglandin I2   Too complete cds   GEN-78   GEN-78   GEN-78   GEN-79   GEN	D25418   600022   GEN-78   Prostaglandin   2   Prostaglandin   3   Prostaglandin   2   Prostaglandin   2	D25418   600022   GEN-78   Prostaglandin 12   T26   635G-A   R212  GEN-78   Prostaglandin 12   T26   635G-A   R212  GEN-78   Grostacyclin) receptor (IP)   T26   635G-A   R212  GEN-78   Grostacyclin) receptor (IP)   T26   GEN-6   GEN-78   GEN-78	D25418   600022   GEN-78   Prostaglandin   D25418   600022   GEN-78   GEN-

Ø	K268R	V149I		ო	ო	ຕ	တ		ဟ	E45K	Ø	R127H	A171T	က	ო	9
282C>T	803A>G	445G>A	1094C>A	679T>A	679T>A	787C>T	. 81T>C		1050T>G	133G>A	288C>T	380G>A	511G>A	638C>G	649C>T	(-52)C>T
323	844	591	1240	721	721	829	81		1098	133	288	932	1063	1190	1201	160
2.3.1.5) Human mRNA for	arylamine N- acetyltransferase (EC 2.3.1.5) Human mRNA for	arylamine N-acetyltransferase (EC 2.3.1.5) Human liver arylamine N-	acetyltransferase (EC 2.3.1.5) gene Human liver arylamine N-	acetyltransferase (EC 2.3.1.5) gene Human dihydrofolate	reductase gene Human dihydrofolate	reductase gene Human dihydrofolate	reductase gene Human (genomic clones	cDNA clones RS-[3,4, 6]) c-Ha-ras1 proto-oncogene, complete coding sequence	numan interreron-gamma receptor mRNA, complete cds	Human matrix metalloproteinase-3 (MMP-3) mRNA, complete cds	Human matrix metalloproteinase-3 (MMP-3) mRNA, complete cds	Insulin-like growth factor 2	DNA topoisomerase I			
D90040 243400 GEN-465	GEN-465	GEN-464	GEN-464	GEN	GEN-	GEN-	GEN-	2 2 2 2 0	GEN-ZA	GEN-PK	GEN-PK	GEN-PJ	GEN-PJ	GEN-PJ	מוייים מייים	GEN-C4
243400	243400	108345	108345	126060	126060	126060	190020	07770	24	185250	185250	147470	147470	14/4/0	7777	172420
D90040	D90040	D90041	D90041	J00140	J00140	J00140	J00277	03143	7	J03209		J03242	303242	103242	343000	203220
AAC2	AAC2	D90041	D90041	DHFR	DHFR	DHFR	J00277	103143	2 6	J03209	J03209	J03242	303242	103242	103250	00200

V127!	, vi	S	Ø	ဗ	ო	ო	ო	က	က	ო	ဟ	တ	Ø	P309T	Ø	က	
379G>A	1773G>A	57C>T	444C>T	1589C>A	1718C>G	1844A>C	3186C>A	3876A>G	4072G>A	4072G>A	21C>T	270G>A	270G>A	925C>A	1728A>T	2042- 2043AC>AC	
290	1984	172	559	1704	1833	1959	3301	3991	4187	4187	55	304	304	959	1762	2076	
DNA topoisomerase I	DNA topoisomerase I	Vitamin D (1,25- dihydroxyvitamin D3)	receptor Vitamin D.(1,25- dihydroxyvitamin D3)	receptor Vitamin D.(1,25- dihydroxyvitamin D3)	receptor Vítamín D (1,25- dihydroxyvitamín D3)	receptor Vitamin D.(1,25- dihydroxyvitamin D3)	receptor Vitamin D (1,25- dihydroxyvitamin D3)	receptor Lipoxygenases: 5-	Lipoxygenases: 5-	lipoxygenase (leukocytes) Lipoxygenases: 5-	Ilpoxygenase (leukocytes) Lipoxygenases: 5-	Ilpoxygenase (leukocytes) Lipoxygenases: 5-	ilpoxygenase (leukocytes) Lipoxygenases: 5- lipoxygenase (leukocytes)				
GEN-C4	GEN-C4	GEN-2J	GEN-2J	GEN-2J	GEN-2J	GEN-2J	GEN-2J	GEN-2J	GEN-2J	GEN-2J	GEN-9	GEN-9	GEN-9	GEN-9	GEN-9	GEN-9	
172420	172420	601769	601769	601769	601769	601769	601769	601769	601769	601769	152390	152390	152390	152390	152390	152390	
J03250	J03250	J03258	J03258	J03258	J03258	J03258	J03258	J03258	J03258	J03258	J03571	J03571	J03571	J03571	J03571	J03571	
J03250	J03250	J03258	J03258	J03258	J03258	J03258	J03258	J03258	J03258	J03258	J03571	J03571	J03571	J03571	J03571	J03571	

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-	(7)	(,)	G213A	G213A	w	က	щ	က	က	Ø	σ
2042-	2294C>T	2342T>G	638G>C	638G>C	1320C>T	1471A>G	1499delT	487A>G	525T>G	.84T>C	528C>T
2076	2328	2376	742	742	1424	1575	1603	260	598	66	543
Lipoxygenases: 5- lipoxygenase (leukocytes)	Lipoxygenases: 5-	Lipoxygenases: 5-	Uridine monophosphate synthetase (orotate phosphoribosyl transferase	decarboxylase) decarboxylase) Uridine monophosphate synthetase (orotate	and orotidine-5- decarboxylase) Uridine monophosphate synthetase (orotate phosphoribosyl transferase	and orotidine-5-decarboxylase) Uridine monophosphate synthetase (orotate phosphoribosyl transferase	and orougine-5- decarboxylase) Uridine monophosphate synthetase (orotate phosphoribosyl transferase and orotidine-5-	decarboxylase) Human glutathlone S- transferase mRNA,	complete cds Human glutathione S- transferase mRNA,	Clutathione S-transferase	Glutathione S-transferase
GEN-9	GEN-9	GEN-9	GEN-C6	GEN-C6	GEN-C6	GEN-C6	GEN-C6	GEN- 11Z	GEN- 11Z	GEN-9D	GEN-9D
152390	152390	152390	258900	258900	258900	258900	258900	138330	138330	138350	138350
J03571	J03571	J03571	J03626	J03626	J03626	J03626	J03626	J03746	J03746	J03817	J03817
J03571	J03571	J03571	J03626	J03626	J03626	J03626	J03626	J03746	J03746	J03817	J03817

S210T	ო	ო	R134K	Q306E	Ś	- R653Q	T761M	U	R4500	K480E	R487K	R4940	E495G	L	P803S	ဟ	တ	R69H	ဟ	S	T993N	P1139S	က	· m	· 60	V224I	!	· σ
628T>A	713C>G	887C>T	401G>A	916C>G	1561T>C	1958G>A	2282C>T	507G>A	1349G>A	1438A>G	1460G>A	1481G>A	1484A>G	1558A>T	2407C>T	3972A>C	4410T>G	206G>A	1780C>T	2478G>A	2978C>A	3415C>T	3661C>T	3804A>G	4071G>A	670G>A		156A>G
643	728	902	454	696	1614	2011	2335	543	1385	1474	1496	1517	1520	1594	2443	4008	4446	206	1780	2478	2978	3415	3661	3804	4071	687		173
Glutathione S-transferase	M1 Glutathione S-transferase	M1 Glutathione S-transferase	M1 Methenyltetrahydrofolate	cyclohydrolase Methenyltetrahydrofolate	cyclohydrolase Methenyltetrahydrofolate	cyclohydrolase Methenyltetrahydrofolate	cyclohydrolase Methenyltetrahydrofolate	cyclohydrolase Topoisomerase II alpha	Topoisomerase II alpha	Leukocyte integrin alpha-m	Human glutathione	transferase M3 (GSTM3)	mkivA, complete cds Prostaglandin 15-OH															
GEN-9D	GEN-9D	GEN-9D	GEN-CB	GEN-CB	GEN-CB	GEN-CB	GEN-CB	GEN-8C	GEN-8C	GEN-8C	GEN-8C	GEN-8C	GEN-8C	GEN-8C	GEN-8C	GEN-8C	GEN-8C	GEN-B	GEN-	170	GEN-E							
138350	138350	138350	172460	172460	172460	172460	172460	126430	126430	126430	126430	126430	126430	126430	126430	126430	126430	120980	120980	120980	120980	120980	120980	120980	120980	138390		601688
J03817	J03817	J03817	J04031	J04031	J04031	J04031	J04031	J04088	J04088	J04088	J04088	J04088	J04088	104088	J04088	J04088	J04088	J04145	J05459		J05594							
J03817	J03817	J03817	J04031	J04031	J04031	J04031	J04031	304088	J0408B	J04088	J04145	GSTM3		J05594														

	က	က	er.	•	ဗ	۳	,	A6/G	+150S	Y296C	P301H	N302S	Ó	ဟ	ഗ	G19R	S	ഗ	Œ	ഗ		ш		V93F	R130G	P141L	E144K	က	က
	896C>G	933G>A	1431G>A		1955T>C	1955T>C		20002	449G>C	887A>G	902C>A	905A>G	6	330>	33C>T	55G>A	222G>A	225G>A	:256C>T	. 272-	278TGGCTG	272-	278delTGGC	277G>T	388A>G	422C>T	430G>A	715A>G	810G>A
	913	950	1448		1972	1972		202	449	887	902	905	S	98	6	112	279	282	313	329	278	329	278	334	445	479	487	772	867
dehydrogenase (PGDH)	Prostaglandin 15-OH	Prostaglandin 15-OH	dehydrogenase (PGDH) Prostaglandin 15-OH	dehydrogenase (PGDH)	Prostaglandin 15-OH	dehydrogenase (PGDH) Prostaqlandin 15-OH	dehydrogenase (PGDH)	end accompany of the property	Human urokinase gene, 3	end Human urokinase gene, 3	end Human urokinase gene, 3	end Human urokinase gene, 3	end Thymidian binger 1	inymulie Kirjase	Thymidine kinase 1		Thymidine kinase 1		Thymidine kinase 1										
1	GEN-F	GEN-E	GEN-E		GEN-E	GEN-E	ט אַנּייַ		GEN-SQ	GEN-SQ	GEN-SQ	GEN-SQ	SEN.C.	֓֞֝֞֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	CINC.	GEN-CI	GEN-CI	GEN-CI	GEN-CI	GEN-CI		GEN-CI		GEN-CI	GEN-CI	GEN-CI	GEN-CI	GEN-CI	GEN-CI
	99109	601688	601688		601688	601688	191840		191840	191840	191840	191840	188300	2000	188300	188300	188300	188300	188300	188300		188300		188300	188300	188300	188300	188300	188300
	100084	J05594	J05594		J05594	J05594	K02286		K02286	K02286	K02286	K02286	K02581	10007	190704	K02581	K02581	K02581	K02581	K02581		K02581		K02581	K02581	K02581	K02581	K02581	K02581
9	480000	J05594	J05594		J05594	J05594	K02286		K02286	K02286	K02286	K02286	K02581	YOUR 2	100207	K02581	K02581	K02581	K02581	K02581		K02581		K02581	K02581	K02581	K02581	K02581	K02581

ო	5	ഗ	S	E10K	M111	V56L	v.	)	တ	E617K	က			R1058Q			့တ				က				S	V593M	က		cr.			က		က	
810G>A	(-68)A>C	(-61)A>C	(-39)C>T	28G>A	33G>A	166G>T	168G>A		1846C>A	1849G>A	1349T>C			3173G>A			4002G>A	•	•		3618G>C				387G>A	1777G>A	1764T>C		1915G>A			253C>A		277T>C	
867	19	56	48	114	119	182	184		1940	1943	1406			3369			4198				3966				445	1835	1763		1914			252		276	
Thymidine kinase 1	Interleukin 1, beta	Farnesyltransferase, CAAX	box, alpha Farnesyltransferase, CAAX	box, alpha	Protein kinase C-theta	Protein kinase C-theta	Human glutathione S-	transferase (GSTM5)	spa aladulos (Avillina	Human multidrug resistance-associated	protein (MRP) mRNA,	complete cds	Human multidrug	resistance-associated	protein (MRP) mRNA,	complete cds	Human transforming	growth factor-beta type III	receptor (TGF-beta)	mRNA, complete cds	Protein kinase C, delta	Protein kinase C, delta	Homosapiens ERK	activator kinase (MEK1)	Homosapiens ERK	activator kinase (MEK1)	mRNA	Homosapiens ERK	activator minase (MENZ) mRNA	Homosapiens ERK activator kinase (MEK2)					
GEN-CI	GEN-5M	GEN-5M	GEN-5M	GEN-5M	GEN-5M	GEN-CK	GEN-CK	`	GEN-CM	GEN-CM	GEN-	0 M	į	6ER-	•		GEN-	4D9			GEZ	1EA			GEN-D0	GEN-DO	GEN-	1¥8	GEN	1K8	į	GEN-		GEN- 1K7	
188300	147720	147720	147720	147720	147720	134635	134635		600448	600448	138385		150010	136343			158343				600742				176977	176977	176872		176872		0,00	601263		601263	
K02581	K02770	K02770	K02770	K02770	K02770	L00634	L00634		L01087	L01087	L02321		00000	1000 <b>7</b> 0			L05628				L07594				L07861	L07861	L11284		L11284			L11285		L11285	
K02581	K02770	K02770	K02770	K02770	K02770	L00634	L00634		L01087	L01087	GSTM5		105820	LU3020			L05628				1GFBR3				L07861	L07861	L11284		L11284			L11285		L11285	

SD-1441

L11285   L11285   601263   GEN-   Homosapiens ERK   G13   614G>C   G17285   G17283   GEN-   Homosapiens ERK   G13   614G>C   G17285   G17283   GEN-   Homosapiens ERK   G17285   G1						•													
L11285 601263   GEN-		က	က	ო	ო	ო	ო	ო	ဟ	R95K	ဟ	ო	ო	ო	ო	ო	ဟ	တ	
L11285 601263 GEN- Homosapiens ERK 1K7 activator kinase (MEK2) mRNA L11285 601263 GEN- Homosapiens ERK 1K7 activator kinase (MEK2) mRNA L11285 601263 GEN- Homosapiens ERK 1K7 activator kinase (MEK2) mRNA L11285 601263 GEN- Homosapiens ERK 1K7 activator kinase (MEK2) mRNA L11285 601263 GEN- Homosapiens ERK 1K7 activator kinase (MEK2) mRNA L12002 192975 GEN- Homosapiens ERK 1K7 activator kinase (MEK2) mRNA L12002 192975 GEN- Homosapiens ERK 1K7 activator kinase (MEK2) mRNA L12002 192975 GEN- Homosapiens ERK 1K7 activator kinase (MEK2) mRNA L12002 192975 GEN- Homosapiens ERK 1K7 activator kinase (MEK2) mRNA L22473 600040 GEN- Human Bax alpha mRNA, L9D PROSTAGLANDIN F RECEPTOR L24470 600563 GEN-O PROSTAGLANDIN F RECEPTOR L24470 600563		538C>T	614G>C	745A>C	1157G>T	· 1312C>T	1458C>A	1460A>C	798T>C	284G>A	552G>A	1185T>C	1253C>T	1280A>G	2007A>G	2062A>G	435T>C	159C>T	
L11285 601263 GEN- Homosapier 1K7 activator kinase ( L12002 192975 GEN- Homosapier 1K7 activator kinase ( L12470 600563 GEN- Human Bax alpha r comple L24470 600563 GEN-O PROSTAGLAN RECE L27943 123920 GEN-O PROSTAGLAN RECE L27943 123920 GEN-O PROSTAGLAN COMPILE		537	613	744	1156	1311	1457	1459	1208	297	552	1422	1490	1517	2244	2299	552	547	
L11285 601263 L12470 600563 L24470 600563	mRNA	Homosapiens ERK activator kinase (MEK2) mRNA	Homosapiens ERK activator kinase (MEK2)	Leukocyte integrin alpha-4	Human MAC25 mRNA, complete cds	Human Bax alpha mRNA,	PROSTAGLANDIN F RECEPTOR	PROSTAGLANDIN F RECEPTOR	PROSTAGLANDIN F RECEPTOR	PROSTAGLANDIN F RECEPTOR	PROSTAGLANDIN F	Homo sapiens cytidine deaminase (CDA) mRNA,	complete cds Prostaglandin E receptor 2	₹. ₩₹					
L11285 L11285 L11285 L11285 L11285 L11285 L11285 L22470 L24470 L24470 L24470 L24470 L27943		GEN- 1K7	GEN- 1K7	GEN- 1K7	GEN- 1K7	GEN- 1K7	GEN- 1K7	GEN- 1K7	GEN	GEN- 21Z	GEN	GEN-O	GEN-O	GEN-O	GEN-O	GEN-O	GEN- 4E4	GEN-7C	
		601263	601263	601263	601263	601263	601263	601263	192975	602867	600040	600563	600563	600563	600563	600563	123920	601586	
L11285 L11285 L11285 L11285 L11285 L11285 L11285 L124470 L24470 L24470 L24470 CDA		L11285	L11285	L11285	L11285	L11285	L11285	L11285	L12002	L19182	L22473	L24470	L24470	L24470	L24470	L24470	L27943	L28175	
		L11285	L11285	L11285	L11285	L11285	L11285	L11285	L12002	L19182	L22473	L24470	L24470	L24470	L24470	L24470	CDA	PTGER2	

	V75M	Q446R	ო	T297N	K312E	789S	ω	E133D	E139D	w	N363S	တ	u	D641V
	223G>A	1337A>G	306A>G	.890C>A	934A>G	203C>T	543C>T	399G>T	417G>T	3981A>G	1088A>G	1892-	1892- 1892- 1803-4210-0	1922A>T
į	611	1/25	308	1227	1271	203	543	399	417	4019	1220	2024	2024	2054
(subtype EP2), 53kD	(subtype EP2), 53kD	Frostagnandin E receptor 2 (subtype EP2), 53kD	Human effector cell protease receptor-1 (EPR-	Homo sapiens MAP-kinase kinase 3 (MKK3) mRNA,	Homo saplens MAP kinase kinase 3 (MKK3) mRNA,	Homo sapiens Sutathione S-transferase theta 2 (GSTT2) mRNA, complete	Homo sapiens glutathione S-transferase theta 2 (GSTT2) mRNA, complete	Homo sapiens TNF receptor-1 associated protein (TRADD) mRNA, 3	Homo sapiens TNF receptor-1 associated protein (TRADD) mpd of one	Cell surface receptor for sulfonylureas on pancreatic b cells	Corticosteroid nuclear	Corticosteroid nuclear	Corticosteroid nuclear	Corticosteroid nuclear receptor b
. 14	GEN-17	27-129	GEN- 2JC	GEN- 2NE	GEN- 2NE	GEN- 2PC	GEN- 2PC	GEN- 2T4	GEN- 2T4	GEN-5Q	GEN-2W	GEN-2W	GEN-2W	GEN-2W
201502	601586 601586		603352	602315	602315	600437	600437	None	None	6002009	138040	138040	138040	138040
1 28175	1 28175	67077	L32866	L36719	L36719	L38503	L38503	L41690	L41690	L78207	M10901	M10901	M10901	M10901
DTGEB?	PTGER	7	L32866	L36719	L36719	GSTT2	GSTT2	L41690	L41690	L78207	M10901	M10901	M10901	M10901

17478	L753F	L753F	S	ო	ო	ဟ			တ	က			ဗ			က			တ		ന	ဟ		ဟ		က	ო	A96T
2240T>G	2259A>C	2259A>T	2034C>T	3221T>G	3266T>G	54A>G			975C>G	804T>C			1056T>C			1158G>A			354C>T		936C>T	315A>G		831G>A	_	1454A>G	1679C>T	286G>A
2372	2391	2391	2166	3353	3398	54			1267	1896			2148			2250			496		1078	383		899		1522	1747	1744
Corticosteroid nuclear	Corticosteroid nuclear	Corticosteroid nuclear	Glucocorticold receptor	Glucocorticoid receptor	Glucocorticold receptor	Human Hu-ets-2 gene,	homologous to avian erythroblastosis virus transforming gene, partial	cqs	Estrogen receptor	Human c-sis/platelet-	derived growth factor 2 (SIS/PDGF2) mRNA,	complete cds	Human c-sis/platelet-	derived growth factor 2 (SIS/PDGF2) mRNA,	complete cds	Human c-sis/platelet-	derived growth factor 2 (SIS/PDGF2) mRNA.	complete cds	<b>DNA EXCISION REPAIR</b>		DNA EXCISION REPAIR	Human skin collagenase	mRNA, complete cds	Human skin collagenase	mRNA, complete cds	Human skin collagenase	Human skin collagenase	Includ, complete cas Human B-cell leukemia/lymphoma 2 (bcl-
GEN-2W	GEN-2W	GEN-2W	GEN-7Y	GEN-7Y	GEN-7Y	GEN-	1LG		GEN-7Z	GEN-OF			GEN-QF			GEN-OF			GEN-EA		GEN-EA	GEN-O		GEN-OJ		GEN-O	GEN-QJ	GEN- 109
138040	138040	138040	138040	138040	138040	164740			133430	190040			190040			190040			126380		126380	120353		120353		120353	120353	151430
M10901	M10901	M10901	M11050	M11050	M11050	M11922			M12674	M12783			M12783			M12783			M13194		M13194	M13509		M13509		M13509	M13509	M13994
M10901	M10901	M10901	M11050	M11050	M11050	ETS2			M12674	M12783			M12783			M12783			M13194	••	M13194	M13509		M13509		M13509	M13509	BCL2

G110R	თ .	ſΩ	V26L	Ø	က	ო	ო	က	ო	က	<b>ෆ</b>
328G>C	1501A>G	(-11)T>C	76G>C	252C>T	1060C>G	1112G>A	1142T>A	1144C>T	1257G>A	1268C>T	1328G>C
1786	2959	184	270	446	1254	1306	1336	1338	1451	1462	1522
<u>~</u>	2) proto-oncogene mRNA encoding bcl-2-alpha protein, complete cds Human B-cell leukemia/lymphoma 2 (bcl-2) proto-oncogene mRNA encoding bcl-2-alpha	protein, complete cds Human cathepsin B proteinase mRNA,	complete cds Human cathepsin B proteinase mRNA,	complete cds Human cathepsin B proteinase mRNA,	complete cds Human cathepsin B						
GEN-	109	GEN-QM	GEN-QM	M14221 161565 GEN-QM	GEN-OM	GEN-QM	GEN-QM	GEN-OM	GEN-OM	GEN-QM	GEN-QM
151430	151430	161565	161565	161565	161565	161565		161565	161565	161565	161565
M13994	M13994 151430	M14221	M14221	M14221	M14221	M14221	M14221 161565	M14221	M14221	M14221	M14221 161565 GEN-QM
BCL2	BCL2	M14221	M14221	M14221	M14221	M14221	M14221	M14221	M14221	M14221	M14221

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														•			0,		0,		.,		V185G		U.	,	S400N	TEGRA	2600	A893S	•	Ø	က	
	0.0000			1391C>A		1436T>C		7.474±	D<14/41					1704A>G			744C>T		1869G>A	,	3462A>G		554-	555TT>GA>G	554-	555TT>TT	1199G>A	267765	201.02	2677G>T	4	3435C>T	4036A>G	
	1557	2	4	1585		1630			000		1710	-		1898			800		2233		3826		978		978		1623	3101	5	3101		3828	4460	
proteinase mRNA,	complete cds	proteinase mRNA,	complete cds	numan camepsin B	complete cds	Human cathepsin B	proteinase mRNA,	complete cds	initiali callicpant o	proteinase mikina,	Human cathenein B	proteinase mRNA,	complete cds	Human cathepsin B	proteinase mRNA,	complete cds	Human liver arginase	mRNA, complete cds	Human c-abl gene,	complete cds	Human c-abl gene,		P glycoprotein 1		P glycoprotein 1		P glycoprotein 1	P. alveoprotein 1		P glycoprotein 1		P glycoprotein 1	P glycoprotein 1	
	GEN-OM					GEN-OM		- NO.			GEN-OM			GEN-QM			GEN-	1RE	GEN-	187	GEN-	187	GEN-	200	GEN	1S6	GEN-	GEN GEN GEN GEN GEN GEN GEN GEN GEN GEN	186	GEN-	0 4	1S6	GEN-	<u>}</u>
	M14221 161565		161565			161565		M14221 161565			161565			161565			207800		189980		189980	0	1/1050		171050		171050	171050		171050	171050	000	171050	
	M14221		147271	774		M14221		M14221			M14221			M14221	-		M14502		M14752		M14/52	0.00	M14/58		M14758		M14758	M14758		M14758	M14758	2	M14758	
	M14221		M14221	771		M14221		M14221			M14221			M14221			ARG1		ABL1	ā	ABL	777	M14/58		M14758		M14758	M14758		M14758	M14758		M14758	

က	ю	က	က	G273E	တ	တ	တ	တ	S	က	က	ო	က	ო	ო		2		ı	ဂ		F10S		T19I		LL.		
2603C>T	2616C>T	2799G>A	3139C>G	818G>A	906A>G	1101C>A	1323T>C	1542C>T	1893C>T	2433G>A	2433G>A	2456C>A	2456C>A	2481G>C	945C>G		(-40)G>A		C H	OK 1(2-)		29T>C		.56C>T		115G>T		
2716	2729	2912	3252	890	978	1173	1395	1614	1965	2505	2505	2528	2528	2553	1063		16		ű	5		84		111		170		
Human nerve growth factor receptor mRNA, complete	Leukocyte integrin beta-2	Human cyclin protein gene,	complete cds	Human glutathione S-	transferase 2 (GST)	many, complete cds	transferase 2 (GST)	mRNA, complete cds	Human glutathione S- transferase 2 (GST)	mRNA, complete cds	Human glutathione S-	transferase 2 (GST)	Human glutathione S-	transferase 2 (GST)														
GEN- 1S8	GEN- 1S8	GEN- 1S8	GEN- 1S8	GEN-U	GEN-	1UE	GEN-OS		O NE			GEN-OS		GEN-QS		GEN-QS												
162010	162010	162010	162010	600065	600065	600065	600065	600065	600005	600065	600065	600065	600065	600005	176740		138360		138360			138360		138360		138360		
M14764	M14764	M14764	M14764	M15395	M15796		M15872		M15872	100		M15872		M15872		M15872												
NGFR	NGFR	NGFR	NGFR	M15395	PCNA		M15872		M15872	2		M15872		M15872		M15872	•											

													•			
	R89K	တ	တ	တ	E210A	A216S	က	က	က	က	E415Q	ဟ	ဟ	Ø	G475E	P27S
	266G>A	321C>T	375G>A	567C>T	629A>C	646G>T	3196G>A	3657G>A	3762A>C	3941T>C	1243G>C	1269C>T	633G>A	1023T>C	1424G>A	.79C>T
	321	376	430	622	684	701	3403	3864	3969	4148	1330	1356	995	1385	1786	132
mRNA, complete cds	Human glutathione Stransferase 2 (GST) mRNA, complete cds	Human glutathione Stransferase 2 (GST)	Human glutathione Stransferase 2 (GST)	Human glutathione Stransferase 2 (GST) mRNA, complete cds	Human glutathione Stransferase 2 (GST) mRNA. complete cds	Human glutathione Stransferase 2 (GST)	Human c-yes-1 mRNA	Human c-yes-1 mRNA	Human c-yes-1 mRNA	Human c-yes-1 mRNA	Ornithine decarboxylase 1	Ornithine decarboxylase 1	Androgen receptor (dihydrotestosterone	Androgen receptor (dihydrotestosterone	Androgen receptor (dihydrotestosterone	Human interleukin 3 (L-3) mRNA, complete cds, clone pcD-SR-alpha
	GEN-OS	GEN-OS	GEN-OS	GEN-QS	GEN-QS	GEN-QS	GEN- 1UR	GEN-	GEN- RUT	GEN- 1UR	GEN-EH	GEN-EH	GEN-38	GEN-38	GEN-38	GEN- CCJ
	M15872 138360	138360	138360	138360	138360	138360	164880	164880	164880	164880	165640	165640	313700	313700	313700	147740
	M15872	M15872	M15872	M15872	M15872	M15872	M15990	M15990	M15990	M15990	M16650	M16650	M20132	M20132	M20132	M20137
	M15872	M15872	M15872	M15872	M15872	M15872	M15990	M15990	M15990	M15990	M16650	M16650	M20132	M20132	M20132	M20137

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٣.	1268V	ဟ	S427L	വ		വ		ဟ		S24P			S			S			G61S			ဟ			S69S	
2621A>T	802A>G	891T>G	1280C>T	(-52)T>C		(-17)G>A		27T>C		70T>C			120G>A			180C>T			181G>A			202C>A			205A>G	
3058	1050	1139	1694	32		29		110		153			203			263			264			285			288	
Interleukin 6A	S-adenosylmethionine	decarboxylase 1 S-adenosylmethionine	decarboxylase 1 Retinoic acid receptor,	gamma 1 Homo sapiens (clone pAT	404) potential lymphokine/cytokine mRNA, complete cds	Homo sapiens (clone pAT	lymphokine/cytokine mRNA_complete_cds	Homo sapiens (clone pAT	464) potential lymphokine/cytokine mRNA complete cds	Homo sapiens (clone pAT	464) potential	lymphokine/cytokine mRNA. complete cds	Homo sapiens (clone pAT	464) potential	lymphokine/cytokine mRNA, complete cds	Homo sapiens (clone pAT	464) potential	mRNA, complete cds	Homo sapiens (clone pAT	464) potential lymphokine/cytokine	mRNA, complete cds	Homo sapiens (clone pAT	464) potential lymphokine/cvtokine	mRNA, complete cds	Homo sapiens (clone pAT 464) potential	
GEN-3A	GEN-EM	GEN-EM	GEN-80	GEN-	W 62	GEN-		GEN-	W6Z	GEN-	29M		GEN	29M		GEN	29M		GEN-	MAZ		GEN-	MAZ		GEN- 29M	
147880	180980	180980	180190	601395		601395		601395		601395			601395			601395			601395			601395			601395	
M20566	M21154	M21154	M24857	M25315		M25315		M25315		M25315			M25315			M25315			M25315			M25315		!	M25315	
M20566	M21154	M21154	M24857	SCYA3		SCYA3		SCYA3		SCYA3			SCY <sub>A3</sub>			SCYA3			SCYA3			SCYA3			SCYA3	

R70G	ω	ω	ო	ဇ	က	ო	က	ო	ო
208C>G	252T>C	258C>T	. 312G>A	369C>T	396G>A	466G>A	478C>T	534C>G	577A>G
291	335	341	395	452	479	549	561	617	099
lymphokine/cytokine mRNA, complete cds Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	Homo sapiens (cione pAT 464) potential lymphokine/cytokine mRNA, complete cds	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	Homo sapiens (clone pAT 464) potential lymphokine/cytokine	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	Homo sapiens (clone pAT 464) potential lymphokine/cytokine
GEN- 29M	GEN- 29M	GEN- 29M	GEN. 29M	GEN- 29M	GEN- 29M	GEN- 29M	GEN- 29M	GEN- 29M	GEN- 29M
601395	601395	601395	601395	601395	601395	601395	601395	601395	601395
M25315	M25315	M25315	M25315	M25315	M25315	M25315	M25315	M25315	M25315
SCYA3	SCYA3	SCYA3	SCYA3	SCYA3	SCYA3	SCYA3	SCYA3	SCYA3	SCYA3

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	က	m	A62G	n	ო	V210E	Ø	ო		V356)	1253M		က	ന		G32A					က				က	c	2	ო	ო	M196R		A363T	
	168C>T	1056G>A	185C>G	1163A>T	1207A>G	629T>A	1209C>G	4604T>G		1066G>A	759A>G		884T>C	1096C>G		95G>C					2069A>T				1241C>T	1314654		1459G>A	1750T>C	587T>G		1087G>A	
	167	1055	259	1237	1281	807	1387	4686		1088	923		1048	1260		204					2178				1271	1344	5	1489	1780	676		1176	
mRNA, complete cds	Cyclin B1	Cyclin Bil	Interleukin 8	Interleukin 8	Interleukin 8	Asparagine Synthase	Asparagine Synthase	INTERLEUKIN 1	PRECURSOR	Interleukin 7 receptor	Insulin-like growth factor	binding protein 1 precursor	Insulin-like growth factor	Insulin-like growth factor	binding protein 1 precursor	Human growth hormone-	dependent insulin-like	growth factor-bluding	protein mKNA, complete	Spo	Human growth hormone-	dependent insulin-like	growin lactor-binding	poetino 'Crimina de la constanta de la constan	Steroid 5 alpha reductase	1 Steroid 5 alpha reductase	1	Steroid 5 alpha reductase	Steroid 5 alpha reductase	Tumor necrosis factor	receptor 2 (75kD)	Tumor necrosis factor	receptor 2. (75kD)
	GEN-ET	GEN-ET	GEN-3E	GEN-3E	GEN-3E	GEN-EX	GEN-EX	GEN-3F		GEN-3H	GEN-37	i	SER-SO	GEN-3J	į	S SEN	2GD			1	SEN-	รอก			GEN-5Y	GEN-5Y		GEN-5Y	GEN-5Y	GEN-3M		GEN-3M	
	123836	123836	146930	146930	146930	108370	108370	147810		146661	146730	001077	140/30	146730		146732					146/32				184753	184753		184753	184753	191191		191191	
	M25753	M25753	M26383	M26383	M26383	M27396	M27396	M27492		M29696	M31145	17.7	143	M31145		M31159					M31159				M32313	M32313		M32313	M32313	M32315		M32315	
	M25753	M25753	M26383	M26383	M26383	M27396	M27396	M27492		M29696	M31145	24.2.4.40	O+1 Civi	M31145	0.77	SCL LSIN				00.77074	80115W				M32313	M32313		M32313	M32313	M32315		M32315	

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	1579G>T	2809G>A	3582G>A	(-7)C>T	36C>T	1102G>A	1419C>T	2749A>C	2875T>C	3048G>A	3066T>A	60C>T	294G>A	25120	882T>C	1143C>A	1143C>A
	1668	2898	3671	20	95	1105	1448	2778	2904	3077	3095	09	294	53	006	1161	1161
mm-kersk oder i ser der gemen mess seriel mess og til	Tumor necrosis factor	Tumor necrosis factor	Tumor necrosis factor	Human heparin-binding vascular endothelial growth factor (VEGF) mRNA,	complete cds Human heparin-binding vascular endothelial growth factor (VEGF) mRNA,	complete cds Human retinoblastoma associated (RB1) mRNA,	complete cds Human integrin beta-5 subunit mRNA, complete	cds Human integrin beta-5 subunit mRNA, complete	cds Human integrin beta-5 subunit mRNA, complete	cds Human integrin beta-5 subunit mRNA, complete	cds Human integrin beta-5 subunit mRNA, complete	Human met oncogene	Human met oncogene	Leukocyte integrin beta-3	Leukocyte integrin beta-3	Leukocyte integrin beta-3	Leukocyte integrin beta-3
	GEN-3M	GEN-3M	GEN-3M	GEN-2JF	GEN-2JF	GEN- 2K1	GEN- 2LV	GEN- 2LV	GEN- 2LV	GEN- 2LV	GEN-	GEN-	GEN	GEN-Y	GEN-Y	GEN-Y	GEN-Y
	191191	191191	191191	192240	192240	180200	147561	147561	147561	147561	147561	164860	164860	173470	173470	173470	173470
	M32315	M32315	M32315	M32977	M32977	M33647	M35011	M35011	M35011	M35011	M35011	M35074	M35074	M35999	M35999	M35999	M35999
	M32315	M32315	M32315	VEGF	VEGF	RB1	M35011	M35011	M35011	M35011	M35011	MET	MET	M35999	M35999	M35999	M35999

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1533G>A	1533G>A 1545G>A	1545G>A	2208C>T	2408G>C	3038C>T	3080A>G	3385A>T	3909C>T	648T>G	519T>C	744G>T		1078T>C	3076T>G	4337A>C	4363A>G	4480A>C	45T>C	859A>C
1551	1563	1563	2226	2426	3056	3098	3403	3927	787	711	936		1270	3268	4529	4555	4672	193	1007
Leukocyte integrin beta-3	Human fibroblast growth factor-5 (FGF-5) mRNA,	Human K-ras oncogene protein mRNA, complete	cds Human K-ras oncogene	protein mRNA, complete cds	Human K-ras oncogene protein mRNA, complete	Human casein.kinase II alpha subunit mRNA,	Human casein kinase II alpha subunit mRNA, complete cds												
GEN-Y	GEN- 20M	GEN- 35G	GEN-	356	GEN- 35G	35G	GEN- 35G	GEN- 35G	GEN- 35G	GEN- 35Y	GEN- 35Y								
173470	173470	173470	173470	173470	173470	173470	173470	173470	165190	190070	190070		190070	190070	190070	190070	190070	115440	115440
M35999 M35999	M35999	M37825	M54968	M54968		M54968	M54968	M54968	M54968	M54968	M55265	M55265							
M35999 M35999	M35999	M37825	M54968	M54968		M54968	M54968	M54968	M54968	M54968	CSNK2A1	CSNK2A1							

တ	M351V	က	တ	က	က	o,	တ	Ø	W65C	y v	L84F	L84F	1143V	1143V	G160R	K178R	ဟ	ĸ	ო
1032G>A	1051A>G	1369C>A	639C>A	1887C>A	2025G>A	159C>T	159C>T	159C>T	195G>C	.249A>T	250C>T	250C>T	427A>G	427A>G	478G>A	533A>G	567G>A	(-123)G>C	735T>C
1180	1199	1532	644	1892	2030	174	174	174	210	264	265	265	442	442	493	548	582	323	1180
Human casein kinase II alpha subunit mRNA,	Human casein kinase II alpha subunit mRNA,	complete cas Human casein kinase II alpha subunit mRNA,	Cyclooxygenase 1 COX1	Cyclooxygenase 1 COX1	Cyclooxygenase 1 COX1	O-6-methylguanine-DNA	O-6-methylguanine-DNA	methyltransferase O-6-methylguanine-DNA	metnyttransterase Human keratinocyte growth factor mRNA,	complete cds Human keratinocyte growth factor mRNA,									
GEN- 35Y	GEN- 35Y	GEN- 35X	GEN-Z	GEN-Z	GEN-Z	GEN-FL	GEN-FL	GEN-FL	GEN-FL	GEN-FL	GEN-FL	GEN-FL	GEN-FL	GEN-FL	GEN-FL	GEN-FL	GEN-FL	GEN- 3BE	GEN- 3BE
115440	115440	115442	176805	176805	176805	156569	156569	156569	156569	156569	156569	156569	156569	156569	156569	156569	156569	148180	148180
M55265	M55265	M55268	M59979	M59979	M59979	M60761	M60761	M60761	M60761	M60761	M60761	M60761	M60761	M60761	M60761	M60761	M60761	M60828	M60828
CSNK2A1	CSNK2A1	CSNK2A2	M59979	M59979	M59979	M60761	M60761	M60761	M60761	M60761	M60761	M60761	M60761	M60761	M60761	M60761	M60761	FGF7	FGF7

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756A>G	771A>G	773G>C	821A>C	861C>T	1209A>T	1212T>C	1354A>T	1356C>T	1422A>G	1500C>A	1528G>A	1722G>A	1741A>G
1201	1216	1218	1266	1306	1654	1657	1799	1801	1867	1945	1973	2167	2186
complete cds Human keratinocyte growth factor mRNA,	complete cds Human keratinocyte growth factor mRNA,	complete cds Human keratinocyte growth factor mRNA,	complete cds Human keratinocyte growth factor mRNA,	complete cds Human keratinocyte growth factor mRNA,	complete cds Human keratinocyte growth factor mRNA,	complete cds Human keratinocyte							
GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN. 3BE	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN-
148180	148180	148180	148180	148180	148180	148180	148180	148180	148180	148180	148180	148180	148180
M60828 148180	M60828	M60828	M60828	M60828	M60828	M60828	M60828	M60828	M60828	M60828	M60828	M60828	M60828
FGF7	FGF7	FGF7	FGF7	FGF7	FGF7	FGF7	FGF7	FGF7	FGF7	FGF7	FGF7	FGF7	FGF7

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	1857T>A	1883G>A	.669A>G	099T>C	825T>G	834G>A	1009T>C	1029C>G	1107G>A	1164C>T	776G>A	1320G>T	1360G>A	1363G>A	1402A>T	
	2302	2328	693	723	849	858	1033	1053	1131	1188	859	1403	1443	1446	1485	
growth factor mRNA,	Human keratinocyte growth factor mRNA,	Human keratinocyte growth factor mRNA,	Tubulin, gamma	Tubulin, gamma	polypeptide Tubulin, gamma	polypeptide Tubulin, gamma	poiypeptide Tubulin, gamma	polypeptide Tubulin, gamma	polypeptide Tubulin, gamma	polypeptide Tubulin, gamma	Polypeptide Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete	Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete	Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete	Cos Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete	cds Human insulin-like growth	
3BE	GEN- 3BE	GEN- 3BE	GEN-FO	GEN-FO	GEN-FO	GEN-FO	GEN-FO	GEN-FO	GEN-FO	GEN-FO	GEN- 3CJ	GEN- 3CJ	GEN- 3CJ	GEN-	GEN.	
	148180	148180	191135	191135	191135	191135	191135	191135	191135	191135	146733	146733	146733	146733	146733	
	M60828	M60828	M61764	M61764	M61764	M61764	M61764	M61764	M61764	M61764	M62403	M62403	M62403	M62403	M62403	
•	FGF7	FGF7	M61764	M61764	M61764	M61764	M61764	M61764	M61764	M61764	IGFBP4	IGFBP4	IGFBP4	IGFBP4	IGFBP4	

factor binding protein 4

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	ო	S322N	S	S246A	ო	T210S	က	ဗ	S	က		ო		ო		တ	က	က	<b>ო</b>	က	က	
	852C>T	965G>A	1092T>G	736T>G	1766G>A	628A>T	3108C>A	3715G>A	1176C>T	751A>C		835A>C		850G>A		723G>A	953A>C	953A>C	1226T>G	3758T>G	3872A>G	
	806	1018	1145	934	1964	644	3108	3715	1327	751		835		820		864	1094	1094	1367	3899	4013	
(IGFBP4) mRNA, complete cds	Homo saplens insulin-like growth factor binding protein 5 (IGFBP-5) mRNA, complete cds	Lipoxygenases: 12-	Lipoxygenases: 12-	Human rac protein kinase	alpha mKNA, complete cds Human rac protein kinase	alpha mKNA, complete cds Glutathione S-transferase	Mz (muscie) Human novel growth factor recentor mRNA 3 cds	Human novel growth factor	Leukocyte integrin beta-7	Human insulin-like growth	factor binding protein 6 (IGFBP6) mRNA, complete mature peptide	Human insulin-like growth factor binding protein 6	(IGLEPO) mRINA, cumplete mature peptide	Human Insulin-like growth factor binding protein 6	(IGFBP6) mRNA, complete	Cyclin D1						
	GEN- 3CU	GEN-12	GEN-12	GEN-	GEN-	3D7 GEN-9G	GEN-	GEN	GEN-15	GEN-330		GEN-3J0		GEN-330		GEN-FY	GEN-FY	GEN-FY	GEN-FY	GEN-FY	GEN-FY	
	146734	152391	152391	164730	164730	138380	134934	134934	147559	146735		146735		146735		168461	168461	168461	168461	168461	168461	
	M62782	M62982	M62982	M63167	M63167	M63509	M64347	M64347	M68892	M69054		M69054		M69054		M73554	M73554	M73554	M73554	M73554	M73554	
	M62782	M62982	M62982	AKT1	AKT1	M63509	FGFR3	FGFR3	M68892	IGFBP6		IGFBP6		IGFBP6		M73554	M73554	M73554	M73554	M73554	M73554	

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2352A>G		42C>G	1196C>T	1642C>A	1250C>T	108C>T	204G>A	267G>A	270C>T	400C>G	597C>T	585G>C	1069C>G 1770G>C	3218C>T	4149C>G	1094G>A 1710A>C	2062G>C 2089- 2094ATATTA
2379		4	1195	1641	1396	254	350	413	416	546	743	756	1240 1834	3282	4213	1273 2045	2159 2186 2
Human steroid 5-alpha-	mRNA, complete cds	G1/S-SPECIFIC CYCLIN C	Human cyclin mRNA	Human cyclin mRNA	Interleukin 3 receptor, alpha (low affininty)	Human 3-alkyladenine DNA glycosylase (HAAG)	Human 3-alkyladenine DNA glycosylase (HAAG)	Human 3-alkyladenine DNA glycosylase (HAAG)	Human 3-alkyladen(ne DNA glycosylase (HAAG)	Human 3-alkyladenine DNA glycosylase (HAAG) mRNA complete cds	Human 3-alkyladenine DNA glycosylase (HAAG)	Thromboxane synthase	I nromboxane synthase Leukocyte Integrin alpha-x	Leukocyte integrin alpha-x	Leukocyte integrin alpha-x	Interleukin 9 receptor Human TGF-beta type II receptor mRNA, complete	Cyclooxygenase 2 COX2 Cyclooxygenase 2 COX2
GEN.		GEN-FZ	GEN- 3MX	GEN-	GEN-64	GEN- 3NL	GEN- 3NL	GEN- 3NL	GEN	GEN- 3NL	GEN-	GEN-40	GEN-40	GEN-17	<b>GEN-17</b>	GEN-45 GEN- 3ZS	GEN-1A GEN-1A
264600		123838	123837	123837	308385	156565	156565	156565	156565	156565	156565	274180	274180 151510	151510	151510	300007 190182	600262
M74047		M74091	M74093	M74093	M74782	M74905	M74905	M74905	M74905	M74905	M74905	M80646	M80646 M81695	M81695	M81695	M84747 M85079	M90100 M90100
SRD5A2		M74091	CCNE	CCNE	M74782	MPG	MPG	MPG	MPG	MPG	MPG	M80646	M80646 M81695	M81695	M81695	M84747 TGFBR2	M90100 M90100

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>ATATTA	2089- 2094delATAT	<b>∀</b> .	2133A>G	2242T>C	2312G>A	2629C>T	2886C>T	1548G>A	786T>C	1.00	170017	1442A>G	CATCCC	57157	534T>C		634T>G	732C>T			1	1677G>T		,	1830T>C			1830T>C			1842G>A		
	2186		7530	2339	2409	2726	2983	1648	838	7000	7071	1494	700	<b>+</b> 07	797		883	802			,	1747			1900			1900			1912		
	Cyclooxygenase 2 COX2		Cyclonyygeriase z COVZ	Cyclooxygenase 2 COX2	Cyclooxygenase 2 COX2	Cyclooxygenase 2 COX2	Cyclooxygenase 2 COX2	Cyclin D3	Interleukin 8 receptor		ווויפוופחעווו ס ופרפליוו	Interleukin 8 receptor	Limes of month	Complete ods	Glutathione S-transferase	M4	GEN-65 Interleukin 5 receptor alpha	Homo sapiens	folylpolyglutamate	synthetase mKNA,	spa elelipa	Homo sapiens	tolylpolyglutamate synthetase mRNA,	complete cds	Homo sapiens	folylpolyglutamate	complete cds	Homo saplens	folylpolyglutamate	synthetase mRNA,	Homo sapiens	folylpolyglutamate synthetase mRNA,	
	GEN-1A	A TAIL		GEN-1A	GEN-1A	GEN-1A	GEN-1A	GEN-GK	GEN-	49.0 5.0	49G	GEN-	ביים מיים	4AD	GEN-97		GEN-65	GEN-	4 53		Ĺ	- KI	<b>4</b>		GEN-	403		GEN-	403		GEN-	403	
	600262	600080	202020	600262	600262	600262	600262	123834	146928	146028	1001	146928	164757		138333		147851	136510			071007	01.0001			136510			136510			136510		
	M90100	Man 100		M90100	M90100	M90100	M90100	M90814	M94582	MOASA	7001	M94582	MQ5712		M96234		M96652	M98045			4400044	INIS6045			M98045			M98045			M98045		
	M90100	M90100		M90100	M90100	M90100	M90100	M90814	IL8RB	, I		IL8RB	RRAF		M96234		M96652	M98045			2400046	N30040			M98045			M98045			M98045		

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1925C>G	158C>A	19G>A		319C>T		437G>C		1135G>A	1151G>A	3316A>C	3463A>G 600C>T	933T>C
1995	157	183		483		601		1299	1180	3377	683	1016
complete cds Homo sapiens folylpolyglutamate synthetase mRNA,	complete cos prostaglandin D2 synthase	gene orf1 5 to PD- ECGF/TPorf2 5 to PD- ECGF/TP [human,	epidermoid carcinoma cell line A431, mRNA, 3 genes, 1718 nti	orf1 5 to PD- ECGF/TPorf2 5 to PD-	ECGF/TP [human, epidermoid carcinoma cell line A431, mRNA, 3 genes,	orf1 5 to PD-	ECCF/1F017.5 to PU- ECGF/TP [human, epidermoid carcinoma cell line A431, mRNA, 3 genes, 1718 ptl	orf1 5 to PD- ECGF/TPorf2 5 to PD- ECGF/TP (human, epidermoid carcinoma cell line A431, mRNA, 3 genes,	1718 ntj PDCD2=programmed cell death-2/Rp8 homolog [human, fetal lung, mRNA,	1282 ntj Interleukin 10 receptor Interleukin 10 receptor	Fms-related tyrosine	Kinase 3 ligand Fms-related tyrosine kinase 3 ligand
GEN-	GEN-SW	GEN- 3LD		GEN-		GEN-	d d	GEN- 3LD	GEN- 300	GEN-4A	GEN	GEN- MDM
136510	176803	131222		131222		131222		131222	600866	146933	200009	200009
M98045	M98539	S72487		S72487		S72487		S72487 131222	S78085	U00672	U03858	U03858
M98045	M98539	S72487		S72487		S72487		S72487	PDCD2	U00672	003858	U03858

ო	S70N	w	Ø	Ø	w	S87C	w	w	Ø	M151V	H170R	L172Q	w
2421G>C	209G>A	573C>T	1458C>T	1488G>C	15C>T	259A>T -	327C>T	342T>C	441G>A	451A>G	509A>G	515T>A	666T>C
2496	364	728	1613	1643	38	282	350	365	464	474	532	538	689
Human maspin mRNA,	Human receptor tyrosine kinase TrkC (NTRK3)	Human dihydrodiol dehydrogenase mRNA,	complete cds Human dihydrodiol dehydrogenase mRNA,	Complete cas Human dihydrodiol dehydrogenase mRNA,	Complete cas Human dihydrodiol dehydrogenase mRNA,	complete cds Human dihydrodiol dehydrogenase mRNA,	Human dihydrodiol dehydrogenase mRNA, complete cds						
GEN-	GEN- 16V	GEN- 16V	GEN- 16V	GEN- 16V	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184
154790	191316	191316	191316	191316	600450	600450	600450	600450	600450	600450	600450	600450	600450
U04313	U05012	U05012	U05012	U05012	U05598	U05598	U05598	U05598	U05598	U05598	U05598	U05598	U05598
PIS	NTRK3	NTRK3	NTRK3	NTRK3	DDH1	DDH1	DDH1	DDH1	DDH1	ррн1	DDH1	DDH1	ррн1

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ဟ	Ø	1310S	ю	က	ო	ო	ო	w	C29R	C29R	M166V	Y186C	1543V	က
783G>A	849G>T	929T>G	997G>A	1012G>A	1089C>T	1399C>G	1439T>C	3888C>G	85T>C	. 85T>C	496A>G	557A>G	1627A>G	3351T>C
806	872	952	1020	1035	1112	2047	2087	3951	166	166	277	638	1708	3432
Human dihydrodiol dehydrogenase mRNA,	complete cas Human dihydrodiol dehydrogenase mRNA,	Human clone pSK1 interferon gamma receptor accessory factor-1 (AF-1)	Human clone pSK1 Human clone pSK1 Interferon gamma receptor accessory factor-1 (AF-1)	Human xanthine dehydrogenase (XDH)	Dihydropyrimidine	Dihydropyrimidine	Dihydropyrimidine Dehydropasse	Dihydropyrimidine Debydrogoneso	Dihydropyrimidine Debydropanase	Dihydropyrimidine Dehydrogenase				
600450 GEN-184	600450 GEN-184	GEN-184	GEN-184	600450 GEN-184	GEN-184	GEN-18J	GEN-18J	GEN-194	GEN-HA	GEN-HA	GEN-HA	GEN-HA	GEN-HA	GEN-HA
600450		600450	600450		600450	147569	147569	278300	274270	274270	274270	274270	274270	274270
U05598	U05598	U05598	U05598	U05598	U05598	U05875	U05875	U06117	U09178	U09178	U09178	U09178	U09178	U09178
DDH1	DDH1	DDH1	DDH1	DDH1	DDH1	U05875	U05875	ХОН	U09178	U09178	U09178	U09178	U09178	U09178

U09178         U09178         274270         GEN-HA Dihydropyrimidine Dihydropyrimidine Dihydropyrimidine Succession of											•		
U09978         274270         GEN-HA         Dihydropyrimidine Dehydrogenase GEN-Human melanoma GEN-Human melanoma GEN-Human melanoma 1875 differentiation associated (mda-6) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1779 (JNK2) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1780 (JNK2) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1780 (JNK2) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1780 (JNK2) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1780 (JNK2) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1780 (JNK2) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1780 (JNK2) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1780 (JNK2) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1780 (JNK2) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1780 (JNK2) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1780 (JNK2) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1780 (JNK2) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1780 (JNK2) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1780 (JNK2) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1780 (JNK2) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1780 (JNK2) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1780 (JNK2) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1780 (JNK2) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1780 (JNK2) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1780 (JNK2) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1780 (JNK2) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1780 (JNK2) mRNA, complete CMB-SP 602896 GEN-Human protein kinase 1780 (JNK2) mRNA, complete CMB-SP 602896 GEN-Huma	က	ო	ო	m	က	ო	N51S	1310V	P377S	က	ဟ	R158Q	ட
U09178         274270         GEN-HA         Dihydropyrimidine Dehydrogenase Dihydropyrimidine Dehydrogenase U09178         274270         GEN-HA Dehydrogenase Dihydropyrimidine Dehydrogenase U09178         CEN-HA Dehydrogenase Dihydropyrimidine Dehydrogenase Dehydrogenase Human melanoma 1GZ differentiation associated (mda-6) mRNA, complete (MNK2) mRNA, complete (mda-6) mRNA, partial (mda-6) mRNA, par	3649G>A	3844A>G	3856T>C	515C>T	1781G>A	1783C>G	152A>G	928A>G	1129C>T	1408C>T	120T>C	473G>A	550C>T
U09178         274270         GEN-HA         Dihydropyy Dehydropy	3730	3925	3937	609	1875	1877	303	1079	1280	1559	120	473	550
U09759 602896 GU09759 602896 GU09759 602896 GU09759 602896 GU09759 602896 GU09759 602896 GU09759 602896 GU09806 None G	Dihydropyrimidine	Denydrogenase Dihydropyrimidine Dehydrogenase	Dihydropyrimidine Dehydrogenase	Human melanoma differentiation associated (mda-6) mRNA, complete	Human melanoma differentiation associated (mda-6) mRNA, complete	Human melanoma differentiation associated (mda-6) mRNA; complete	Human protein kinase (JNK2) mRNA, complete	Human protein kinase (JNK2) mRNA, complete	Human protein kinase (JNK2) mRNA, complete	Human protein kinase (JNK2) mRNA, complete	methylenetetrahydrofolate reductase mRNA, partial	Human methylenetetrahydrofolate reductase mRNA, partial	Human methylenetetrahydrofolate reductase mRNA, partial
U09759 U09759 U09759 U09806 U09806	GEN-HA	GEN-HA	GEN-HA	GEN- 1GZ	GEN- 1GZ	GEN- 1GZ	GEN-	GEN- 1HA	GEN-	GEN- 1HA	GEN- 4FZ	GEN- 4FZ	GEN- 4FZ
	274270	274270	274270	116899	116899	116899	602896	602896	602896	602896	None	None	None
U09178 U09178 U09579 U09759 U09759 U09806 U09806	U09178	U09178	U09178	U09579	U09579	U09579	U09759	U09759	U09759	U09759	009800	009800	009800
	U09178	U09178	U09178	U09579	U09579	U09579	U09759	U09759	U09759	U09759	009806	009806	009806

A223V	ω	E430A	က	G449D	က	ო	က	က	က	L14P	R46K
668C>T	1059T>C	1289C>A	1308T>C	1346G>A	2406C>T	2913A>G	2964G>A	3083T>C	3708T>C	41T>C	137G>A
899	1059	1289	1308	1383	2443	2950	3001	3120	3745	76	172
cds Human methylenetetrahydrofolate reductase mRNA, partial	cds Human methylenetetrahydrololate reductase mRNA, partial	cos Human methylenetetrahydrofolate reductase mRNA, partial	Human Human methylenetetrahydrofolate reductase mRNA, partial	Human zinc finger protein (ZNF143) mRNA, complete	Cds Human zinc finger protein (ZNF143) mRNA, complete	cas Human zinc finger protein (ZNF143) mRNA, complete	Cds Human zinc finger protein (ZNF143) mRNA, complete	Cds Human zinc finger protein (ZNF143) mRNA, complete	Human zinc finger protein (ZNF143) mRNA, complete	ds Human megakaryocyte growth and development factor (MGDF) mRNA,	Complete cas Human megakaryocyte growth and development
GEN- 4FZ	GEN- 4FZ	GEN-	GEN- 4FZ	GEN- 1FD	GEN- 1HD	GEN-	GEN-	GEN-	GEN- 1HD	GEN- 1JW	GEN- 1JW
None	None	None	None	603433	603433	603433	603433	603433	603433	600044	600044
009806	009806	009800	009806	U09850	U09850	U09850	009850	U09850	U09850	U11025	U11025
009806	908600	00980e	908600	U09850	U09850	U09850	009850	009850	009850	THPO	ТНРО

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	G116E	w	ဇ	M255V	A154T	Y240C	ო	က	ო	ო	ო	w	F644L
	347G>A	639T>A	1097G>A	763A>G	460G>A	719A>G	1009T>C	1260C>T	1297G>A	2132A>C	2311C>T	4308T>C	1932T>G
	382	674	1132	823	536	795	1085	1336	1373	2356	2535	4427	2223
factor (MGDF) mRNA,	complete cos  Human megakaryocyte growth and development factor (MGDF) mRNA,	Human megakaryocyte growth and development factor (MGDF) mRNA,	Human megakaryocyte growth and development factor (MGDF) mRNA,	Oyclin H	Human thiopurine methyltransferase (TPMT) mRNA, complete cds	Human thiopurine methyltransferase (TPMT) mRNA, complete cds	Human thiopurine methyltransferase (TPMT)	Human thiopurine methyltransferase (TPMT) mRNA, complete cds	Human thiopurine methyltransferase (TPMT) mRNA_complete.cds	Human cysteine protease CPP32 isoform alpha	Human cysteine protease CPP32 isoform alpha mRNA, complete cds	Human breast and ovarian cancer susceptibility (BRCA1) mRNA, complete	Homo sapiens neuronal
	GEN- 1JW	GEN- 13W	GEN- 1JW	GEN-HF	GEN-	GEN- 1LY	GEN-	GEN-	GEN-	GEN-	GEN- 1PC	GEN- 1S1	600355 GEN-221
	600044	600044	600044	601953	187680	187680	187680	187680	187680	600636	600636	113705	600355
	U11025	U11025	U11025	U11791	U12387	U12387	U12387	U12387	U12387	U13737	U13737	U14680	U19251
	ТНРО	THPO	ТНРО	U11791	TPMT	TPMT	TPMT	TPMT	TPMT	U13737	U13737	BRCA1	U19251

	P919S	ო	က	က	တ	S	R27H	R27H	S	Ø	ဟ	LL.	ო	ო	ო	ო	ო
	2755C>T	5212A>G	5343A>G	5353A>G	75A>T	(-43)T>C	80G>A	80G>A	246C>G	696C>T	972G>A	2005^2006ins	2487T>G	2487T>G	2522C>T	2522C>T	2557T>C
	3046	5503	5634	5644	231	53	175	175	341	791	1067	2100 2	2582	2582	2617	2617	2652
apoptosis inhibitory protein mRNA, complete cds	Homo sapiens neuronal apoptosis inhibitory protein mRNA complete ode	Homo saplens neuronal apoptosis inhibitory protein mRNA, complete cds	Homo sapiens neuronal apoptosis inhibitory protein mRNA, complete cds	Homo sapiens neuronal apoptosis inhibitory protein	PROSTAGLANDIN E2 RECEPTOR, EP2 SLIRTYPE	Folate Transporter (SLC19A1)	Folate Transporter	Folate Transporter	Folate Transporter	Folate Transporter (SLC:19A1)	Folate Transporter (SLC19A1)	Folate Transporter (SLC19A1)	Folate Transporter (SLC19A1)	Folate Transporter	Folate Transporter	Folate Transporter	Folate Transporter (SLC19A1)
	GEN-221	GEN-221	GEN-221	GEN-221	GEN-41	GEN-11	GEN-11	GEN-11	GEN-11	GEN-11	GEN-11	GEN-11	GEN-11	GEN-I1	GEN-11	GEN-11	GEN-11
	600355	600355	600355	600355	176804	600424	600424	600424	600424	600424	600424	600424	600424	600424	600424	600424	600424
	U19251	U19251	U19251	U19251	U19487	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720
	U19251	U19251	U19251	U19251	U19487	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720

D230N	က	က	က	က	က	က	က	က	T95N	က	က	F148L	Ø	L170V	ო	ო
688G>A	904C>T	1039G>A	1244T>C	1285T>C	1183G>A	335C>T	386T>C	1069C>T	284C>A	543G>C	616C>T	442T>C	447A>G	508C>G	544C>T	580T>C
731	982	1117	1322	1363	1312	335	386	1069	311	570	643	476	481	542	578	614
Human MAP kinase Mxi2 (MXI2) mRNA, complete	Human cysteine prote Mch2 isoform alpha (Mc mRNA, complete	Hum Mch2	Hum Mch2	Hurr Mch2	Human Fas-associating death domain-containing protein mRNA, complete	Glucocorticoid receptor	Glucocorticoid receptor	alpha Glucocorticoid receptor	Human p16INK4/MTS1	Human p16INK4/MTS1	Human p16INK4/MTS1	Human Bcl-2 related (Bfl-1)	Human Bcl-2 related (Bfl-1)	mRNA, complete cds Human Bcl-2 related (Bfl-1)	Huma	mkinA, complete cos Human Bcl-2 related (Bfl-1) mRNA, complete cds
GEN- 22C	GEN- 23K	GEN- 23K	GEN- 23K	GEN- 23K	GEN-289	GEN-82	GEN-82	<b>GEN-82</b>	GEN-	GEN-	GEN-	GEN-	S E S	GEN-	GEN-	GEN- 2BX
600289	601532	601532	601532	601532	None	138040	138040	138040	600160	600160	600160	601056	601056	601056	601056	601056
U19775	U20536	U20536	U20536	U20536	U24231	U25029	U25029	U25029	U26727	U26727	U26727	U27467	U27467	U27467	U27467	U27467
U19775	U20536	U20536	U20536	U20536	U24231	U25 <u>0</u> 29	U25029	U25029	CDKN2A	CDKN2A	CDKN2A	U27467	U27467	U27467	U27467	U27467

က	ო	ო	P402Q	ო	S	G233D	က	Ø	Ø	Ø	တ	က	က	က	ю	က	
582G>A	1435C>A	1168G>T	1205C>A	1452C>T	(-70)A>G	698G>A	3004T>C	291T>C	0<9089	639A>G	693G>A	1242T>C	1251T>C	1537A>T	1578G>T	1672G>A	
616	1612	1250	1266	1513	54	821	3127	300	645	648	736	1285	1294	1580	1621	1715	
Human Bci-2 related (Bfl-1)	mKNA, complete cds Human casein kinase I	lnterleukin 15 receptor	alpha chain interleukin 11. receptor	Interleukin 11 receptor	Chromosome segregation	Chromosome segregation	gene homolog CAS Chromosome segregation	gene homolog CAS Human fibroblast growth factor 8 (FGF-8) mRNA,	Human fibroblast growth factor 8 (FGF-8) mRNA,	Human fibroblast growth factor 8 (FGF-8) mRNA,	Complete cds Human Mch3 isoform alpha (Mch3) mRNA,	Human Mch3 isoform alpha (Mch3) mRNA,	Complete cus Human Mch3 isoform alpha (Mch3) mRNA,	Human Mch3 isoform alpha (Mch3) mRNA,	Complete cas Human Mch3 isoform alpha (Mch3) mRNA,	Human Mch3 isoform	
GEN	GEN-	GEN-4J	GEN-4K	GEN-4K	GEN-IM	GEN-IM	GEN-IM	GEN- 2MX	GEN-	GEN- 2MX	GEN- 20C	GEN- 20C	GEN- 20C	GEN- 20C	GEN- 20C	GEN-	
601056	600864	601070	600939	600939	601342	601342	601342	600483	600483	600483	601761	601761	601761	601761	601761	601761	
<b>U27467</b>	U29171	U31628	U32324	U32324	U33286	U33286	U33286	U36223	U36223	U36223	U37448	U37448	U37448	U37448	U37448	U37448	
U27467	CSNK1D	U31628	U32324	U32324	U33286	U33286	U33286	FGF8	FGF8	FGF8	U37448	U37448	U37448	U37448	U37448	U37448	SD-144146.1

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		Ø	ю	ю	က	ю	က	ဟ	V125M	ന	Ø
••	1721G>A	825C>T	1053A>G	1202C>A	1438G>A	1501G>A	1508C>T	91A>C	373G>A	1372C>T	1128C>T
	1764	912	1140	1289	1525	1588	1595	431	713	1404	1499
alpha (I	Human alpha (N	Human TNF-rel apoptosis inducing lig TRAIL mRNA, comp	Human TNF-relt apoptosis inducing lig TRAIL mRNA, comp	Human TNF-relt apoptosis inducing lig TRAIL mRNA, comp	Human TNF-rels apoptosis inducing lig TRAIL mRNA, comp	Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete	Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete	Cus Human MAP kinase kinase 6 (MKK6) mRNA, complete		Human cardiotrophin-1 (CTF1) mRNA, complete	Human vascular endothelial growth factor related protein VRP
20C	GEN- 20C	GEN- 20G	GEN- 20G	GEN- 20G	GEN- 20G	GEN- 20G	GEN- 20G	GEN- 2Q8	GEN- 208	GEN-LFI	GEN- 2UM
	601761	None	None	None	None	None	None	601254	601254	600435	601528
	U37448	U37518	U37518	U37518	U37518	U37518	U37518	U39656	U39656	U43030	U43142
• •-	U37448	U37518	U37518	U37518	U37518	U37518	U37518	U39656	U39656	U43030	U43142

ო	က	S171A	S200A	w	ω	က	က	T43A	S	C6R	A31T	T1511	ო
1833G>A	2372C>G	511T>G	598T>G	1005C>T	1035C>T	1431T>C	1502G>A	127A>G	1002T>C	16T>C	91G>A	452C>T	1102A>G
2281	2820	748	835	1005	1035	1431	1502	127	1002	75	150	511	1161
mRNA, Humi apoptosis pro	complete cds Human inhibitor of apoptosis protein 1 mRNA,	complete cds Human inhibitor of apoptosis protein 2 mRNA,	complete cds Human inhibitor of apoptosis protein 2 mRNA,	Complete cds Human beta-tubulin class III isotype (beta-3) mRNA,	Human beta-tubulin class	Human beta-tubulin class	Complete cas Human beta-tubulin class III isotype (beta-3) mRNA,	Topoisomerase II beta	Topoisomerase II beta	Homo saplens human gamma-glutamyl hydrolase (hGH) mRNA, complete	Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete	Homo sapiens human gamma-glutamyi hydrolase (hGH) mRNA, complete	cos Homo sapiens human gamma-glutamyi hydrolase
GEN- 2WJ	GEN- 2WJ	GEN-	GEN- 2WI	GEN- 2XR	GEN- 2XR	GEN-	GEN- 2XR	GEN-8W	GEN-8W	GEN- 35Z	GEN- 35Z	GEN- 35Z	GEN- 35Z
601721	601721	601712	601712	None	None	None	None	126431	126431	None	None	None	None
U45878	U45878	U45879	U45879	U47634	U47634	U47634	U47634	U54831	U54831	U55206	U55206	U55206	U55206
U45878	U45878	U45879	U45879	U47634	U47634	U47634	U47634	U54831	U54831	U55206	U55 <u>2</u> 06	U55206	U55206

	ဟ	E53K	တ	A1369S	F1370I	R17K	V241I	ო	က	ო	က	က	ო	က	ო
	408C>T	157G>A	177A>G	4105G>T	4108T>A	: 50G>A	721G>A	925A>G	956C>T	1160G>A	1472T>C	972A>T	1811G>A	1818C>T	1867T>C
	411	304	324	4138	4141	343	1014	1218	1249	1453	1480	1281	1989	1996	2045
(hGH) mRNA, complete cds	Human cysteine protease ICE-LAP6 mRNA, complete cds	Human apoptotic cysteine protease Mch4 (Mch4) mRNA, complete cds	Human apoptotic cysteine protease Mch4 (Mch4) mRNA complete cds	Thrombopoletin	Thrombopoletin	Human herpesvirus entry mediator mRNA, complete cds	Human herpesvirus entry mediator mRNA, complete cds	Human herpesvirus entry mediator mRNA, complete cds	Human herpesyirus entry mediator mRNA, complete cds	Human herpesvirus entry mediator mRNA, complete	Thymidine kinase 2	Cyclin-Dependent Protein Kinase	Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds	Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA complete cds	Human placental equilibrative nucleoside
	GEN- 36X	GEN- 3AZ	GEN- 3AZ	GEN-4R	GEN-4R	GEN- 3K9	GEN- 3K9	GEN- 3K9	GEN- 3K9	GEN- 3K9	GEN-K4	GEN-K7	GEN- 3VO	GEN- 3VO	GEN- 3VO
		601762	601762	600044	600044	None	None	None	None	None	188250	123829	602193	602193	602193
	U56390	U60519	U60519	U70136	U70136	U70321	U70321	U70321	U70321	U70321	U77088	U79269	U81375	U81375	U81375
	U56390	U60519	U60519	U70136	U70136	U70321	U70321	U70321	U70321	U70321	U77088	U79269	U81375	U81375	U81375

L137R	R40K	ო	R379K	ဟ	Ø	ဟ	ß	တ	. S51G	တ	ဂ	S142G	u.
410T>G	119G>A	263G>C	1136G>A	1935A>G	2283C>T	1059G>T	(-51)T>G	60T>C	151A>G	171T>C	1145G>A	424A>G	2560deIT
474	119	320	1136	1935	2283	1059	29	169	560	280	1254	289	2823
transporter 1 (hENT1) mRNA, complete cds GEN-TV Messenger RNA for human	tibroblast interferon Human messenger RNA for leukocyte (alpha-2)	interreron Human mRNA for metallothionein from	cadmium-treated cells Human mRNA fragment for epidermal growth factor	Human mRNA fragment for epidermal growth factor	Human mRNA fragment for epidermal growth factor	Human beta-tubulin gene (5-beta) with ten Alu family	Human mRNA for purine nucleoside phosphorylase	Transferrin receptor (p90,	Transferrin receptor (p90, CD71)				
GEN-TV	GEN-P2	GEN-P6	GEN-U4	GEN-U4	GEN-U4	GEN-	GEN-P8	GEN-P8	GEN-P8	GEN-P8	GEN-P8	GEN-6C	GEN-6C
147640	147562	156360	131550	131550	131550	None	164050	164050	164050	164050	164050	190010	190010
V00546	V00548	V00594	X00663	X00663	X00663	X00734	X00737	X00737	X00737	X00737	X00737	X01060	X01060
IFNB1	V00548	V00594	EGFR	EGFR FR	EGFR	X00734	X00737	X00737	X00737	X00737	X00737	X01060	X01060

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3503T>G	3859A>C	3884G>A	3984T>C	4046T>A	4118A>G	4284G>A	, 4356T>G	4463A>T	4503C>T	(-28)C>T	225T>G	456G>A	961T>C	961T>C	1031A>G	1031A>G	1392T>A	215C>G	818G>4	)	(-506)A>G	(-337)C>A		- CAS		138C>G	
3766	4122	4147	4247	4309	4381	4547	4619	4726	4766	125	332	563	1066	1066	1136	1136	1497	350	953	8	221	390	1	200	(	979	
Transferrin receptor (p90, CD71)	Transferrin receptor (p90,	Tumor necrosis factor	Interleukin 2	Interleukin 2	Thymidylate synthetase	Human mRNA for p53	cellular tumor antigen Human mRNA for n53	cellular tumor antigen	Human N-ras mRNA and	flanking regions Human N-ras mRNA and	flanking regions	ransforming growth:factor	beta (TGE-beta)	Human mRNA for	- efe (												
GEN-6C	GEN-6C	GEN-4Y	GEN-PC	GEN-PC	GEN-KL	GEN-KL	GEN-KL	GEN-KL	GEN-KL	GEN-PF	GEN.PF		GEN-XG	GEN-XG	2	Y - Y - Y - Y - Y - Y - Y - Y - Y - Y -		GEN-XR									
190010	190010	190010	190010	190010	190010	190010	190010	190010	190010	191160	147680	147680	188350	188350	188350	188350	188350	191170	191170		164790	164790	70070	001061		190180	
X01060	X01060	X01394	X01586	X01586	X02308	X02308	X02308	X02308	X02308	X02469	X02469		X02751	X02751	2,000	71070		X02812									
X01060	X01060	X01394	X01586	X01586	X02308	X02308	X02308	X02308	X02308	X02469	X02469		NRAS	NRAS	2,000	71070	•	X02812	ě								

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	T2641	S	S	တ	S391N	(C)	· w	E220	A86V	S	IL.	S	S	V364E	M4381	S	8	က	က	က	က	က		က	က	
	791C>T	: 966C>T	1089G>A	1101C>T	1172G>A	30T>C	30T>C	64G>C	257C>T	261G>C	469C>T	975C>G	975C>G	1091T>A	1314G>A	1782A>G	1994A>G	2190A>C	2373C>G	2821T>C	2978C>T	3292-	3294CCT>CC	3292-	3536C>A	
	1632	1807	1930	1942	2013	390	390	424	617	621	829	1335	1335	1451	1674	2142	2354	2550	2733	3181	3338	3652		3652	3896	
transforming growth factor-	Human mRNA for transforming growth factor-	Human mRNA for transforming growth factor-	Deta (1GF-beta) Human mRNA for transforming growth factor-	beta (TGF-beta) Human mRNA for transforming growth factor-	beta (TGF-beta) Human mRNA for transforming growth factor-	estrogen receptors	-	estrogen receptors	estrogen receptors																	
	GEN-XR	GEN-XR	GEN-XR	GEN-XR	GEN-XR	GEN-50	GEN-50	<b>GEN-20</b>	GEN-50	<b>GEN-50</b>	GEN-50	GEN-50	GEN-50	GEN-50	GEN-50	<b>GEN-50</b>	GEN-50	GEN-50	<b>GEN-50</b>	GEN-50	GEN-50	GEN-50		GEN-50	GEN-50	
	X02812 190180	190180	190180	190180	190180	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	·	133430	133430	
	X02812	X02812	X02812	X02812	X02812	X03635		X03635	X03635																	
	X02812	X02812	X02812	X02812	X02812	X03635		X03635	X03635																	

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4018T>C	5927T>C	3432T>C	3651C>A	4071G>A	995T>C	1465C>T	4635G>T	2539C>A		(-54)G>C	804G>A	1191T>C	1770C>T	487T>C	1948C>T	1993C>A	313A>G	341C>T	555C>T
4378	6287	3732	3951	4507	1295	1659	4656	2562		83	940	1327	1906	486	1947	1992	319	347	561
estrogen receptors	estrogen receptors	Colony stimulating factor 1	receptor Colony stimulating factor 1	receptor Human mRNA for kidney epidermal growth factor	(EGF) precursor Human c-erb-A mRNA for	thyroid hormone receptor Human mRNA for A-raf-1	oncogene Human c-kit proto-	oncogene mRNA Human mRNA for	fibronectin receptor alpha	Protein kinase C, beta 1	Human mRNA fragment for activated c-raf-1 (exons 8-	17) Human mRNA fragment for activated c-raf-1 (exons 8-	17) Human mRNA fragment for activated c-raf-1 (exons 8-	Human mRNA for class Pi glutathione S-transferase	(GS1-Pt; E.C.2.5.1.18) Human mRNA for class Pi glutathione S-transferase	(GST-Pi; E.C.2.5.1.18) Human mRNA for class. Pi glutathione S-transferase (GST-Pi; E.C.2.5.1.18)			
<b>GEN-50</b>	<b>GEN-50</b>	GEN-51	GEN-51	GEN- PYX	GEN-	S S S	15C GEN-198	GEN-	19B	GEN-KY	GEN-KY	GEN-KY	GEN-KY	GEN- 19K	GEN- 19K	GEN- 19K	GEN- 19N	GEN- 19N	GEN- 19N
133430	133430	164770	164770	131530	190160	311010	164920	135620		176970	176970	176970	176970	164760	164760	164760	134660	134660	134660
X03635	X03635	X03663	X03663	X04571	X04707	X04790	X06182	X06256		X06318	X06318	X06318	X06318	X06409	X06409	X06409	X06547	X06547	X06547
X03635	X03635	X03663	X03663	X04571	X04707	ARAF1	Α	ITGA5		X06318	X06318	X06318	X06318	RAF1	RAF1	RAF1	GSTP1	GSTP1	GSTP1

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1086A>C	1176A>C	2610T>C	2775T>A	3236A>G	3428G>A	(-1)C>T	1285T>G	1303C>T	1390G>A	2496T>G	240A>G		790C>T	790C>T	1531C>T
1189	1279	2713	2878	3339	3531	128	1413	1431	1518	2670	364		914	914	1655
Human mRNA for fibronectin receptor beta	Human mRNA for fibronectin receptor beta	Human mRNA for vascular	Human mRNA for vascular anticoacular	Human mRNA for vascular	Human mRNA for vascular	Human mRNA for dbl	proto-oncogene Cytochrome P450,	subtamily XIX (aromatization of	Cytochrome P450, subfamily XIX (aromatization of	androgens) Cytochrome P450, subfamily XIX (aromatization of	androgens) Cytochrome P450,				
GEN-	GEN- 4E5	GEN- 4E5	GEN-	GEN- 4E5	GEN- 4E5	GEN-	GEN	GEN	GEN-	GEN-	1M8 GEN-56		GEN-56	GEN-56	GEN-56
135630	135630	135630	135630	135630	135630	131230	131230	131230	131230	311030	107910		107910	107910	107910
X07979	X07979	X07979	X07979	X07979	X07979	X12454	X12454	X12454	X12454	X12556	X13589		X13589	X13589	X13589
ITGB1	ITGB1	ITGB1	ITGB1	ITGB1	ITGB1	ANX5	ANX5	ANX5	ANX5	X12556	X13589		X13589	X13589	X13589

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1672G>T	3666T>G	84C>T	382G>T	.789C>T	1187C>T	1325A>T	1435C>T	1501C>T	1598A>T	
1796	3710	131	429	836	1234	1372	1482	1548	1645	
subfamily XIX (aromalization of androgens) Cytochrome P450, subfamily XIX (aromatization of	androgens) Human mRNA for leukaemia inhibitory factor	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1	Human for comple protein \$	Human for comple protein \$	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1	and beta-1 chain Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1	Made Later (1995) Professor (1995) Professor (1995)
GEN-56	GEN- 1PZ	GEN- 1SB	GEN- 1SB	GEN-	GEN- 1SB	GEN- 1SB	GEN- 1SB	GEN- 1SB	GEN- 1SB	
107910	159540	185430	185430	185430	185430	185430	185430	185430	185430	
X13589	X13967	X14723	X14723	X14723	X14723	X14723	X14723	X14723	X14723	
X13589	 H	OTO,	CLU	CLU	CLU	CLU	CLU	CLU	CLU	SD-144146.1

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	· 138T>C		679A>T	752T>C	4145T>G	4801A>G	4849A>G	159T>G	4299G>A	4311G>C	4402G>A	4695C>T	5031C>T	5058G>A	5126C>T	5284T>C	1117C>T	2869G>A	3114A>G	3216C>T	881A>C	159A>G	
	27.1		812	885	4193	4849	4897	276	4425	4437	4528	4821	5157	5184	5252	5410	1328	3044	3289	3391	806	338	
and heta-1 chain	Human mRNA for	phosvitin/casein kinase II	Human mRNA for phosvitin/casein kinase II	beta subunit Human mRNA for phosvitin/casein kinase II	beta subunit Integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2	receptor) Integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2	receptor) Integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2	receptor) Human mRNA for fibroblast growth factor (FGE) recentor	Leukocyte integrin beta-4	Human mRNA for spi-1	proto-oncogene Interleukin 4 receptor	Interleukin 4 receptor	Interleukin 4 receptor	Protein kinase Calpha	Human bek mRNA for	tibroblast growth factor receptor-BEK							
•••	GEN-	1XW	GEN-	GEN- 1XW	GEN-LG	GEN-LG	GEN-LG	GEN- 326	GEN-21	GEN-	33A GEN-59	<b>GEN-59</b>	GEN-59	GEN-LM	GEN-341								
	115441		115441	115441	192974	192974	192974	136350	147557	147557	147557	147557	147557	147557	147557	147557	165170	147781	147781	147781	176960	176943	
	X16312		X16312	X16312	X17033	X17033	X17033	X51803	X51841	X52056	X52425	X52425	X52425	X52479	X52832								
٠,	CSNK2B		CSNK2B	CSNK2B	X17033	X17033	X17033	FGFR1	X51841	SPI1	X52425	X52425	X52425	X52479	FGFR2								

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2724A>T	90G>A	2448T>C	27A>G	1057G>A	3324T>G	2547T>A	28G>A	162T>G	773C>T	931G>A	1139T>G	1306C>T
2903	168	2549	493	1523	3373	2692	83	217	821	979	1187	1354
Human bek mRNA for fibroblast growth factor	Phosphoribosy formy phosphoribosy phosphoribosy	Human mRNA for N-	Cadnerin Human c-erbA-1 mRNA for thyroid hormone receptor	Human c-erbA-1 mRNA for thyroid hormone receptor	Human placental cDNA coding for 5nucleotidase	Cas-Br-M (murine) ecotropic retroviral	Human FGFR-4 mRNA for fibroblast growth factor	Human FGFR-4 mRNA for fibroblast growth factor	Human GPx-3 mRNA for plasma glutathione	Human GPx-3 mRNA for plasma glutathione	Human GPx-3 mRNA for plasma glutathione	Human GPx-3 mRNA for plasma glutathione peroxidase
GEN-341	GEN-LS	GEN-351	GEN- 35S	GEN- 35S	GEN- 36H	GEN- MKX	GEN- 37M	GEN- 37M	GEN- 38S	GEN- 38S	GEN- 38S	GEN- 38S
176943	138440	114020	190120	190120	129190	165360	134935	134935	138321	138321	138321	138321
X52832	X54199	X54315	X55005	X55005	X55740	X57110	X57205	X57205	X58295	X58295	X58295	X58295
FGFR2	X54199	X54315	X55005	X55005	X55740	X57110	FGFR4	FGFR4	GPX3	GPX3	GPX3	GPX3

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1395C>T	1468C>A	1533C>T	744A>G	864T>G	1901T>C	186C>G	188G>C	850C>A	2223G>A	2223G>A	0.40000	2530T>A	2537^2538ins	Z695A>C	(-6)T>G	330C>G	1442C>T	2065T>C
1443	1516	1581	807	927	1964	186	188	1037	2410	2410	2440	2717			189	524	1636	2259
Human GPx-3 mRNA for plasma glutathione	peroxidase Human GPx-3 mRNA for plasma glutathione	peroxidase Human GPx-3 mRNA for plasma glutathione	peroxidase Interleukin 11	Interleukin 11	Interleukin 11	H.sapiens mRNA for	H.sapiens mRNA for	integrin alpha6 subunit Ribonucleoside	diphosphate reductase Ribomucleoside	diphosphate reductase Ribonucleoside	diphosphate reductase	diphosphate reductase Ribonucleoside	diphosphate reductase Ribonucleoside	diphosphate reductase Ribonucleoside	diphosphate reductase Ribonucleotide reductase	M2 polypeptide Ribonucleotide reductase	M2 polypeptide Ribonucleotide reductase	MZ polypeptide Ribonucleotide reductase MZ polypeptide
GEN- 38S	GEN- 38S	GEN- 38S	GEN-	GEN-	GEN-	GEN-	GEN-	39W GEN-M2	GEN-M2	GEN-M2	GFN-M2	GEN-M2	GEN-M2	GEN-M2	GEN-M3	GEN-M3	GEN-M3	GEN-M3
138321	138321	138321	147681	147681	147681	147556	147556	180410	180410	180410	180410	180410	180410	180410	180390	180390	180390	180390
X58295	X58295	X58295	X58377	X58377	X58377	X59512	X59512	X59543	X59543	X59543	X59543	X59543	X59543	X59543	X59618	X59618	X59618	X59618
GPX3	GPX3	GPX3	X58377	X58377	X58377	ITGA6	ITGA6	X59543	X59543	X59543	X59543	X59543	X59543	X59543	X59618	X59618	X59618	X59618

P765L	T770A	G785R	N833K	E846V	က	R1424C	σ	T1562N	ო	A14T	K23E	ဟ	ဟ	1497	σ
2294C>T	2308A>G	2353G>C	2499C>G	2537A>T	4123G>C	4270C>T	4455C>T	4685C>A	4998C>T	40G>A	67A>G	102C>T	108T>C	145A>G	159G>A
2457	2308	2353	2499	2537	4123	4507	4692	4922	5235	63	6	125	131	168	. 182
H.saplens mRNA for NF-	H.sapiens mRNA for growth factor receptor	tyrosine kinase H.sapiens mRNA for growth factor receptor	tyrosine kinase H.sapiens mRNA for growth factor receptor	H.sapiens mRNA for growth factor receptor	H.saplens mRNA for growth factor receptor	H.sapiens mRNA for DNA (cytosin-5)-	H.saplens mRNA for DNA (cytosin-5)-	H.sapiens mRNA for DNA (cytosin-5)-	H.sapiens mRNA for DNA (cytosin-5)-	H.sapiens mRNA for	H.sapiens mRNA for metallothlonein	H.sapiens mRNA for metallothionein	H.sapiens mRNA for metallothionein	H.sapiens mRNA for metallothlonein	H.sapiens mRNA for metallothionein
GEN-	GEN- GEN-	GEN- 3BZ	GEN- 3BZ	GEN- 3BZ	GEN- 3BZ	GEN- 3E4	GEN-3	GEN- 3E4	GEN- 3E4	GEN-	GEN-	SEN CEN	GEN-	GEN-	GEN- 3EQ
164012	191306	191306	191306	191306	191306	126375	126375	126375	126375	156351	156351	156351	156351	156351	156351
X61498	X61656	X61656	X61656	X61656	X61656	X63692	X63692	X63692	X63692	X64177	X64177	X64177	X64177	X64177	X64177
NFKB2	KDR	KDR	KDR	KO '	XOX R	DNMT	DNMT	DNMT	DNMT	X64177	X64177	X64177	X64177	X64177	X64177

X65019         X65019         147678         GEN-6G         INTERLEUKIN TBETA TAGE         51         44G>A         R15H           X65019         X65019         147678         GEN-6G         INTERLEUKIN TBETA TAGE         109A>C         K37Q           X65019         X65019         147678         GEN-6G         INTERLEUKIN TBETA TAGE         109A>C         K37Q           X65019         X65019         147678         GEN-6G         INTERLEUKIN TBETA TAGE         264G>A         GBSE           X65364         X66364         123831         GEN-7         H.Saplens MRNA TAGE         495         471T>G         C157W           X69141         X69141         184420         GEN-3J9         H.Saplens MRNA TAGE         22         201C>T         S           X69141         X69141         184420         GEN-3J9         H.Saplens MRNA TAGE         1345T>C         3           X69141         X69141         184420         GEN-3J9         H.Saplens MRNA TAGE         1350C>T         3           X69141         X69141         184420         GEN-3J9         H.Saplens MRNA TAGE         1739         1486T>C         3           X69141         X69141         184420         GEN-3J9         H.Saplens MRNA TAGE         1739																			
X65019 147678 GEN-6G   INTERLEUKIN 1 BETA   CONVERTASE	R15H	K37Q	G85E	C157W	V779i	တ	ဟ	ო	ო	က	ო	ო	ო		က		ო		
X65019 147678 GEN-6G   INTERLEUKIN 1 BETA	. 44G>A	109A>C	254G>A	,471T>G	2335G>A	, 21T>C	201C>T	1345T>C	1488T>C	1530C>T	1628A>C	1813G>C	638T>C		757C>A		802A>C		
9 X65019 147678 GEN-6G 9 X65019 147678 GEN-6G 9 X65019 147678 GEN-6G 14 X66364 123831 GEN-6G 15 X66397 191315 GEN-3J9 16 X69141 184420 GEN-3J9 17 X69141 184420 GEN-3J9 18 X71973 138322 GEN-3L1 H	51	116	261	495	2632	112	292	1436	1579	1621	1719	1904	718		837		882		
9 X65019 147678 6 9 X65019 147678 6 9 X65019 147678 6 1 X66364 123831 1 X66397 191315 1 X69141 184420 G 1 X71973 138322 G 1 X71973 138322 G	INTERLEUKIN 1 BETA CONVERTASE	INTERLEUKIN 1, BETA CONVERTASE PRECY IDSOR	INTERLEUKIN 1 BETA CONVERTASE	H.sapiens mRNA P.SSALRE for serine/threonine protein	Kinase H.sapiens tpr mRNA	H.sapiens mRNA for	squalene synthase H.sapiens mRNA for	squalene synthase H.saplens GPx-4 mRNA	for phospholipid hydroperoxide glutathione	peroxidase H.sapiens GPx-4 mRNA	for phospholipid hydroperoxide glutathione	Peroxidase H.sapiens GPx-4 mRNA	for phospholipid hydroperoxide glutathione	peroxidase					
9 X65019 147678 9 X65019 147678 1 X65019 147678 1 X66364 123831 1 X66397 191315 1 X69141 184420 1 X71973 138322 1 X71973 138322	GEN-6G	GEN-6G	GEN-6G	GEN- 3GM	GEN-	GEN-3J9	GEN-3J9	GEN-3.19.	GEN-3J9	GEN-3J9	GEN-3J9	GEN-3J9	GEN-3L1		GEN-3L1		GEN-3L1		
	147678	147678	147678	123831	191315	184420	184420	184420	184420							٠			
X65019 X65019 X65019 X66364 X69141 X69141 X69141 X69141 CGPX4 GPX4	X65019	X65019	X65019	X66364	X66397	X69141	X69141	X69141	X69141	X69141	X69141	X69141	X71973		X71973		X71973		
	X65019	X65019	X65019	X66364	NTRK1	X69141	X69141	X69141	X69141	X69141	X69141	X69141	GPX4		GPX4		GPX4		

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5<2(89-)	1913A>G	2004C>T	831C>T	616G>A	2590T>C	3516G>C	4040A>G	728C>T	930A>G	1731A>G	28G>T	-	903A>G		1013G>A	824T>C	1254T>G		(-74)C>T		(-22)C>T		-
30	2010	2101	836	685	2659	3585	4376	887	1089	1890	253		1128		1133	824	1287		25		77		
H.sapiens trkB mRNA for	Protein-tyrosine kinase H.sapiens trkB mRNA for	Protein-tyrosine kinase H.sapiens trkB mRNA for	protein-tyrosine kinase H.sapiens mRNA for OX40	homologue H.saplens p130 mRNA for	130K protein H.saplens p130 mRNA for	130K protein H.sapiens p130 mRNA for	130K protein H.sapiens DAP-kinase	mRNA H.sapiens DAP-1 mRNA	H.saplens DAP-1 mRNA	H.sapiens DAP-1 mRNA	Interferon (alpha beta	omega) receptor 2 (splice	variant) Interferon (alpha,beta,	omega) receptor 2 (splice	Cyclin G1	H.sapiens GSTT1 mRNA	H.sapiens ERK6 mRNA for	extracellular signal	H.saplens mRNA (clone C- 2k) mRNA for	serine/threonine protein	H.sapiens mRNA (clone C- 2k) mRNA for	serine/threonine protein	
GEN-	GEN-	GEN-	GEN-	MNA GEN-	Š Ä	er Ser	ges Gen	300 GEN GEN GEN	GEN-	SES S	30N GEN-29		GEN-29		GEN-N8	GEN-	GEN-	LPR	GEN-		GEN-		
600456	600456	600456	600315	180203	180203	180203	600831	600954	600954	600954	602376		602376		601578	600436	602399		603251		603251		
X75958	X75958	X75958	X75962	X76061	X76061	X76061	X76104	X76105	X76105	X76105	X77722		X77722		X77794	X79389	X79483		X80230		X80230		
X75958	X75958	X75958	X75962	X76061	X76061	X76061	X76104	X76105	X76105	X76105	X77722		X77722		X77794	X79389	X79483		X80230	.•	X80230		

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	1418G>A	1476A>G	(-33)G>T	212C>T	221A>G	804T>C	1033G>A	180C>G	(-161)C>T	125G>A	243C>T	424G>A	471C>T	708T>C	782C>T	1340G>A	(-44)C>T	472G>A	1327A>G
	1516	1574	14	285	294	877	1106	387	32	317	435	616	663	900	974	1725	309	824	1405
Kinase	H.sapiens mRNA (clone C- 2k) mRNA for serine/threonine protein	H.sapiens mRNA (clone C- 2k) mRNA for serine/threonine protein	H.sapiens DAP-3 mRNA	H.saplens DAP-3 mRNA	H.sapiens DAP-3 mRNA	H.sapiens DAP-3 mRNA	H.sapiens DAP-3 mRNA	Prostaglandin E receptor 3 (subtype EP3) (alternative	H.sapiens BAK mRNA for BCI-2 homologue	H.sapiens BAK mRNA for	H.sapiens BAK mRNA for BCI-2 homologue	H.sapiens BAK mRNA for BCL2 homologie	H.sapiens BAK mRNA for BCI-2 homologue	H.sapiens BAK mRNA for BCL-2 homologue	H.sapiens BAK mRNA for BCI-2 homologue	H.sapiens mRNA for	Uridine phosphorylase	Uridine phosphorylase	H.sapiens mRNA for
	GEN- 3UM	GEN- 3UM	GEN-	GEN-	GEN- 3Y6	GEN- 3Y6	GEN- 3Y6	GEN-5H	GEN-	GEN-	GEN-	GEN-	GEN-	GEN-	GEN- 3ZC	GEN-	GEN-NO	GEN-NO	GEN.
	603251	603251	602074	602074	602074	602074	602074	176806	600516	600516	600516	600516	600516	600516	600516	602110	191730	191730	602403
	X80230	X80230	X83544	X83544	X83544	X83544	X83544	X83861	X84213	X84213	X84213	X84213	X84213	X84213	X84213	X86681	X90858	X90858	X92106
	X80230	X80230	X83544	X83544	X83544	X83544	X83544	X83861	X84213	X84213	X84213	X84213	X84213	X84213	X84213	X86681	X90858	X90858	X92106

	A271S	94	V.1489IV	T2075M	ဟ	V2335M	က	တ	ı	R98G		1981			က	i		က		,	ഗ			K145P		က			N120D		Ø	•	~	ז
	811G>T	44000	4400C>A	6224C>T	6666C>T	7003G>A	8538C>A	186G>A	- ,-	292C>G	_	593C>T			730A>C			792A>C			432C>A		0.0707	434G>C		721A>G		,	358A>G		1179T>G		1690G>A	
	848	1543	4013	6371	6813	7150	8685	504		610		911			1048			1110		Ċ	203		i,	202		792		;	430		1251		1762	<del>{</del>
bleomycin hydrolase	Į. <u>6</u>	resistance protein	lore seception	IGF-2 receptor	IGF-2 receptor	IGF-2 receptor	IGF-2 receptor	Human mRNA for	glutathione peroxidase (EC	Human mRNA for	glutathione peroxidase (EC	Human mRNA for	glutathione peroxidase (EC	1.11.1.9.)	Human mRNA for	glutathione peroxidase (EC	1.11.1.9.)	Human mRNA for	glutathione peroxidase (EC	U. 11.1.9.)	numan APK i gene for	alminanti modinada	Priospiroribosyliransierase	adenine	phosphoribosyltransferase	Human APRT gene for	adenine	phosphoribosyltransferase	Furnan mKNA for Arg-	activator-inhibitor 2 PAI-2)	Human mRNA for Arg-	Serpin (plasminogen	activator-innibitor 2, PAI-2) Human mRNA for Are-	0
47S	4AM	S.N.E.	3 6	0 F N-0	GEN-61	GEN-61	GEN-61	GEN-TJ		GEN-TJ	- •• ••	GEN-TJ			GEN-TJ		.!	GEN-17		Z U	MGW SV		C C	MGW	-	GEN	MGW	1	00-Nii0		GEN-U6		GEN-U6	
	601107	147280	447200	147.200	14/280	147280	147280	138320		138320		138320			138320			138320		102600	105000		102600	2010		102600		472200	086671		173390		173390	
	X96395	Y00285	ROCOON	1,0000	Y00285	Y00285	Y00285	Y00433		Y00433		Y00433			Y00433			Y00433		YOUARG			Y00486			Y00486		VOCACO			Y00630		Y00630	
	Asosso	Y00285	VOODBE		100285	Y00285	Y00285	GPX1		GPX1		GPX1			GPX1		Š	GFX1		Y00486			Y00486			Y00486		DAIS	1		PAI2		PA12	

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1134C>T	1505C>T	1422C>T	51T>A	1073G>A	449T>G	234T>C		240T>C	1688A>C	2027G>A	20807>G	0 000	£ ^ 5 / 5	55G>A	1019A>C		4019C>A	. <del>-</del>
1174	1545	1696	54	1116	449	394		246	1694	2033	2086	346	0	333	1297		4062	
Serpin (plasminogen activator-Inhibitor 2, PAI-2) Human mRNA for kidney omithine aminotransferase	Human mRNA for kidney ornithine aminotransferase	Homo sapiens mRNA for rab geranylgeranyl	transterase, alpha-subunit Geranylgeranyl transferase tyne II beta-subunit	H.sapiens IL-13Ra mRNA H.sapiens 40 kDa aratala	kinase related to rat ERK2 H.sapiens 44kDa protein	kinase related to rat ERK1 H.sapiens (Ewings	sarcoma cell line) mRNA encoding open reading	H.sapiens mRNA for	protein kinase C zeta H.sapiens mRNA for	protein kinase C zeta H.sapiens mRNA for	protein kinase C zeta H.sapiens mRNA for	protein kinase C zeta	glucocorticoid receptor-	H.sapiens mRNA for novel	gracocolitical receptor- associated protein H.sapiens mRNA for novel	glucocorticoid receptor-	H.sapiens mRNA for cyclin	Tri wate Maria wa Maria
GEN- 1E3	GEN- 1E3	GEN-	GEN-9B	GEN-1J6	GEN-1L0	GEN-	10S	GEN	GEN-	GEN-	GEN-	1TE	2ME	GEN-	GEN-	2ME	GEN-	
258870	258870	601905	179080	300119	601795	603259		176982	176982	176982	176982	601497		601497	601497		600227	
Y07511	Y07511	Y08200	Y08201	Y10659	Z11696	214138		Z15108	215108	Z15108	Z15108	735491		Z35491	235491		236714	
OAT	OAT	Y08200	Y08201	Y10659 Z11695	Z11696	Z14138		215108	215108	Z15108	Z15108	735491		Z35491	Z35491		CCNF	

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1239A>C			215 210T>C	1423 1409T>C	2163 2149T>A	2148G>C	1467 1443T>C	1600 1576G>A	1669 1645G>A 891 822C>T	
1280	·		215	1423	2163	2562	1467	1600	1669	
H.sapiens mRNA for TX protease precursor			Human mRNA for prepro cortistatin like peptide,	Homo sapiens mRNA for protein phosphatase 2A delta (B) regulatory subunit, delta1 isoform,	Homo sapiens mRNA for protein phosphatase 2A delta (B) regulatory subunit, delta1 isoform,	Human mRNA for KIAA0343 gene, complete	Human mRNA for hunc18b2, complete cds	Human mRNA for hunc18b2, complete cds	Human mRNA for hunc18b2, complete cds Homo sapiens mRNA for phosphatidylinositol 4-	•
GEN- 2YJ			GEN- 16N	GEN-169	601646 GEN-169	GEN- 1CR	GEN-	GEN-	GEN- 1AA GEN-VC	
602664			602784	601646	601646	601581	601717	601717	601717	
248810			AB00026 3	AB00063	AB00063 4	AB00234	AB00255 9	AB00255 9	AB00255 9 AB00591 0	
<b>Z</b> 48810	Table 13. Identified Variances In Genes for Pathways Identified in Neurologi cal and Psychiatri	Diseases	AB00026 3	AB00063 AB00063	AB00063 AB00063 4 4	AB00234 AB00234		AB00255 9	AB00255 AB00255 9 E AB00591 AB00591 0 C	

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	1071 1010T>A	1012T>C	1073 1012T>C	1801 1740A>G	2138G>A	1218A>G	332A>G	489G>A	2399C>A	365C>T	381G>A	624A>G	641C>T	1161 1161T>C
	1071	1073	1073	1801	2199	1469	377	534	2444	365	381	624	641	1161
sho otolomos escris	Hon	receptor, complete cas Homo sapiens mRNA for lectin-like oxidized LDL	Ĭ –	Ĭ	Ĭ-	<u>2</u>	Homo sap gamma2-ad	Homo sapiens mRNA gamma2-adaptin, comp	Homo sapiens mRN/ gamma2-adaptin, comp	PURINERGIC RECEPT P2X, LIGAND-GATED CHANNEL 4: P21	PURII P2X,	PURII P2X,	PURII P2X,	PURII P2X,
	GEN- 1SQ	GEN- 1SQ	GEN- 1SQ	GEN- 1SQ	GEN- 1SQ	GEN-	GEN-	GEN- L2T	GEN- L2T	GEN-16J	GEN-16J	GEN-16J	GEN-16J	GEN-16J
	602601	602601	602601	602601	602601	603208	None	None	None	600846	600846	600846	600846	600846
	AB01071	AB01071 0	AB01071 0	AB01071 0	AB01071 0	AB01388	AB01531	AB01531	AB01531	AF000234 AF000234	AF000234	AF000234	AF000234	AF000234 AF000234 600846
	AB01071	AB01071	AB01071 AB01071	AB01071, AB01071	AB01071 0	AB01388	AB01531 8	AB01531	AB01531 8	AF000234	AF000234	AF000234	AF000234	AF000234

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1830 1710A>T	3202T>C	3553C>G	1035G>A	200G>Å	195C>G	329A>T	507C>T	1023 987T>C	989T>C	1090 1054G>C	1321 1285G>A
1830	3322	3673	1160	200	206	340	518	1023	1025	1090	1321
CHANNEL, 4; P2RX4 Homo sapiens hUNC18a alternatively-spliced	mRNA, complete cds Homo sapiens hUNC18a alternatively-spliced	mRNA, complete cds Homo sapiens hUNC18a alternatively-spliced	mRNA, complete cds Homo sapiens TWIK- related acld-sensitive K+ channel (TASK) mRNA,	complete cds Homo sapiens golgi SNARE (GS27) mRNA,	complete cds Homo sapiens breast cancer-specific protein 1 (BCSG1) mRNA, complete	cds Homo saplens breast cancer-specific protein 1 (BCSG1) mRNA, complete	cds Homo sapiens breast cancer-specific protein 1 (BCSG1) mRNA, complete	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION	CHANNEL, 5; PZKX5 PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5
GEN-UK	GEN-UK	GEN-UK	GEN-WS	GEN- 12G	GEN- 1SR	GEN- 1SR	GEN- 1SR	GEN- 1NE	GEN- 1NE	GEN-	GEN- 1NE
602926	602926	602926	603220	None	602998	602998	602998	602836	602836	602836	602836
AF004562	AF004562	AF004562 AF004562	AF006823	AF007548	AF010126 AF010126	AF010126	AF010126 AF010126	AF016709	AF016709	AF016709	AF016709
AF004562	AF004562	AF004562	AF006823	AF007548	AF010126	AF010126	AF010126	AF016709	AF016709	AF016709	AF016709

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1424 1388C>G		1512 1476G>A	1743 1707A>G	1822A>G	516C>G	518G>C	3501C>T	6422A>G	6704A>G	1068A>G	150G>A	291C>T	408T>C	483A>G	476G>T	1083C>T	853G>A	
1424		1512	1743	1858	516	518	3501	6422	6704	1068	273	314	431	506	476	1083	1404	
PURINERGIC RECEPTOR	P2X LIGAND-GATED ION CHANNEL 5: P2RX5	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION	CHANNEL, 3; PZRX5 PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL R: D2DXE	Homo sapiens agrin precursor mRNA, partial	Histamine receptor H1	Homo saplens small cell vasopressin subtype 1b receptor mRNA, complete	Vasopressin V1A receptor	Vasopressin V1A receptor	Vasopressin V1A receptor	potassium channel	potassium channel	Homo sapiens cell matrix					
GEN-	N.	GEN- 1NE	GEN-	GEN- 1NE	GEN- 1M7	GEN- 1M7	GEN- 1M7	GEN- 1M7	GEN- 1M7	GEN- 26W	GEN- 4FF	GEN-2	GEN-2	GEN-2	GEN-	GEN-	GEN-	
602836		602836	602836	602836	None	None	None	None	None	600167	600264	600821	600821	600821	603787	603787	116935	
AF016709 AF016709 602836		AF016709	AF016709	AF016709	AF016903	AF016903	AF016903	AF016903	AF016903	AF026261	AF030512	AF030625	AF030625	AF030625	AF033382	AF033382	AF034795	
AF016709		AF016709	AF016709	AF016709 AF016709	AF016903	AF016903	AF016903	AF016903	AF016903 AF016903	HRH1	AVPR1B				AF033382	AF033382	AF034795	

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	860C>T	1811 1260G>A	273G>A	295G>C	302C>T	1059G>A	659G>T	1788G>C	2865A>G	3726A>G	4300T>C	5461A>G	5492T>A	5868T>G	6481G>A	1368T>C
	1411	1811	273	295	302	1059	842	1971	3048	3909	4483	5644	5675	6051	6664	1368
adhesion regulator var (CMAR) mRNA, comp	Homo sapiens cell ma adhesion regulator var (CMAR) mRNA, comp	Homo sapiens cell ma adhesion regulator var (CMAR) mRNA, comp	Homo sapiens clone 23678	Homo sapiens clone 23678	Homo saplens clone 23678	Homo sapiens clone 23678	MRNA, partial cds Nuclear receptor	Nuclear receptor	Nuclear receptor	Nuclear receptor	Nuclear receptor	coactivator (ACTK) Nuclear receptor	coactivator (ACTR) Nuclear receptor	coactivator (ACTR) Nuclear receptor	coactivator (ACTR) Nuclear receptor	Coactivator (ACTR) Homo sapiens clone 23723 axonal transporter of synaptic vesicles (ATSV) mRNA, partial cds
268	GEN- 2GB	GEN- 2GB	GEN-21H	GEN-21H	GEN-21H	GEN-21H	GEN-7W	GEN-7W	GEN-7W	GEN-7W	GEN-7W	GEN-7W	GEN-7W	GEN-7W	GEN-7W	GEN-
	116935	116935	191130	191130	191130	191130	601937	601937	601937	601937	601937	601937	601937	601937	601937	601255
	AF034795 AF034795 116935	AF034795	TUBB AF035316	AF035316	AF035316	AF035316	AF036892	AF036892	AF036892	AF036892	AF036892	AF036892	AF036892	AF036892	AF036892	AF038173
	AF034795	AF034795	TUBB	TUBB	TUBB	TUBB	AF036892	AF036892	AF036892	AF036892	AF036892	AF036892	AF036892	AF036892	AF036892	AF038173

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1387A>G	1501G>C	2787 2436T>C	1840 1709T>G	1308G>T	1328G>A	96G>A	1551 1491T>C	15365T>G	15560 15445C>T	15630C>T	225 201A>G
1387	1501	2787	1840	1308	1364	160	1551	15480	15560	15745	225
Homo sapiens clone 23723 axonal transporter of synaptic vesicles (ATSV)	Homo sapiens clone 23723 axonal transporter of synaptic vesicles (ATSV)	Homo sapiens calcium- dependent chloride channel-I (CLCA1)	related delayed-rectifier K+ channel alpha subunit (KCNS3) mRNA, complete	POTASSIUM CHANNEL	Homo sapiens synapsin	Homo sapiens vesicle trafficking protein sec22b	Homo sapiens cGMP- specific phosphodiesterase (PDE9A2) mRNA.	Homo sapiens neuronal double zinc finger protein (ZNF231) mRNA, complete	Homo sapiens neuronal double zinc finger protein (ZNF231) mRNA, complete	Homo sapiens neuronal double zinc finger protein (ZNF231) mRNA, complete	Homo sapiens endobrevin
GEN- 20H	GEN- 20H	GEN- MQY	GEN- 2XX	GEN-	GEN-	GEN- LFO	GEN- LGG	GEN- MR1	GEN- MR1	GEN- MR1	GEN
601255	601255	603906	603888	602905	602705	None	602973	None	None	None	None
AF038173 AF038173	AF038173 AF038173	AF039400 AF039400	AF043472	AF043473	AF046873	AF047442	AF048837	AF052224	AF052224	AF052224	AF053233
AF038173	AF038173	AF039400	AF043472 AF043472	AF043473 AF043473	AF046873	AF047442	AF048837 AF048837	AF052224 AF052224	AF052224 AF052224	AF052224 AF052224	AF053233 AF053233

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1663G>A	1680A>T	780 650C>T	1695 1647C>T	4037 3989C>T	4683 4635C>A	4802 4754C>T	1246 1225T>C	159G>A	285T>A	179C>A	207 90C>T
1972	1989	780	1695	4037	4683	4802	1246	161	287	319	207
Hc	mKNA, complete cds Homo sapiens cytosolic phospholipase A2-gamma	mKNA, complete cds Homo sapiens vesicle associated membrane protein-1B mRNA, alternatively spliced,	complete cds Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA,	complete cds Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA,	Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA,	Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA,	complete cds Homo sapiens synapsin Ila (SYN2) mRNA, complete	cds Homo sapiens mRNA for LAFPTPase, isoform 1,	partial Homo sapiens mRNA for LAFPTPase, isoform 1,	parual Human mRNA for Iymphotoxin (TNF-beta),	complete cds DNAJ PROTEIN
38F GEN- LJY	GEN-	GEN-LL4	GEN- KV4	GEN- KV4	GEN-	GEN- KV4	GEN- LMT	GEN. LDP	GEN- LDP	GEN-QD	GEN-A7
None	None	185880	603506	603506	603506	603506	600755	254780	254780	153440	602837
AF058921 AF058921	AF058921	AF060538 AF060538	AF064548 AF064548	AF064548 AF064548	AF064548 AF064548	AF064548 AF064548	AF077671	AJ130763	AJ130763	D12614	D13388
AF058921	AF058921	AF060538	AF064548	AF064548	AF064548	AF064548	AF077671 AF077671	AJ130763	AJ130763	D12614	D13388

	က	VSOL	R315K	တ	က	ო	ო	ю	ო	12008	R347C	R347C	က	R212H	S319W	Ø	ဟ	ß	1421V	က	
	1600 1593G>A	277 148G>T	944G>A	954G>A	1644C>T	1908C>T	941A>G	, 1107A>G	1307C>A	599T>G	1039C>T	1039C>T	1612C>T	635G>A	956C>G	984A>C	381A>G	25 (-47)G>A	1261A>G	1784G>C	
	1600	277	1073	1083	1773	2037	2294	2460	2660	1035	1475	1475	2048	726	1047	1075	531	25	1332	1855	
HOMOLOG 2	Human CYP1 steroid 18	Glycine cleavage system:	Protein T Glycine cleavage system:	Protein T Glycine cleavage system:	Protein T Glycine cleavage system:	Protein T Glycine cleavage system:	Human mRNA for ORF, Xq	Human mR	t Human mRN	terminal portion Adrenergic receptor alpha	1c Adrenergic receptor alpha	1c Adrenergic receptor alpha	1c Adrenergic receptor alpha	1c Prostaglandin I2	(prostacyclin) receptor (IP) Prostaglandin I2	(prostacyclin) receptor (IP) Prostaglandin I2	(prostacyclin) receptor (IP) Metabotropic glutamate	receptor type 5 Glycinamide ribonucleotide	transformylase Glycinamide ribonucleotide	transformylase Glycinamide ribonucleotide	
	GEN- CCD	GEN-AA	GEN-AA	GEN-AA	GEN-AA	GEN-AA	GEN-	GEN-	GEN-	1Y2 GEN-3	GEN-3	GEN-3	GEN-3	GEN-78	GEN-78	GEN-78	GEN-	GEN-4	GEN-4	GEN-4	
	D13752 124080	238310	238310	238310	238310	238310	300197	300197	300197	104221	104221	104221	104221	600022	600022	600022	604102	138440	138440	138440	
	D13752	D13811	D13811	D13811	D13811	D13811	D16469	D16469	D16469	D25235	D25235	D25235	D25235	D25418	D25418	D25418	D28538	D32051	D32051	D32051	
	CYP11B2	D13811	D13811	D13811	D13811	D13811	D16469	D16469	D16469	D25235	D25235	D25235	D25235	D25418	D25418	D25418	D28538	D32051	D32051	D32051	

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	203 204C>G	232C>A	1619T>C	34 (-35)G>T	1695C>G	3276G>A	3653G>A	3847G>C	4266T>A	4353G>A	270C>T	1463 1459G>C	2096G>A	2332 2129A>G
	203	231	1646	34	1914	3378	3755	3949	4368	4455	274	1463	2299	2332
transformylase	Human IP gene for prostacyclin receptor; exon	Human IP gene for prostacyclin receptor, exon	Human mRNA for prostacyclin synthase,	Calmodulin 1 Calmodulin 1 (phosphorylase kinase,	Serotonin 5-HT receptors 5-HT3	Human mRNA for apolipoprotein E receptor	Human mRNA for apolipoprotein E receptor	Human mRNA for apolipoprotein E receptor	E, Complete cus Human mRNA for apolipoprotein E receptor	Human mRNA for apolipoprotein E receptor	Human mRNA for heat shock transcription factor 4 complete cus	Human mRNA for heat shock transcription factor	Human mRNA for platelet- activating factor acetylhydrolase 2,	Complete cos Human mRNA for platelet-
	GEN- 4DH	GEN- 4DH	GEN- 4E3	GEN-BA	GEN-5	GEN- 30Y	GEN- 30Y	GEN- 30Y	GEN- 30Y	GEN- 30Y	GEN-444	GEN-444	GEN- 44C	G F Y
	600022	600022	601699	D45887 114182	182139	602600	602600	602600	602600	602600	602438	602438	602344	602344
•	D38128	D38128	D38145	D45887	D49394	D50678	D50678	D50678	D50678	D50678	D87673	D87673	D87845	D87845
	PIGIR	PTGIR	D38145	D45887	D49394	D50678	D50678	D50678	D50678	D50678	D87673	D87673	D87845	D87845

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	56 (-27)G>T	719 637G>A	434 (-1284)A>T	889 (-829)G>C	1156 (-562)G>C	2644 927T>C	2920 1203A>G	686 513T>G	1449 969C>T	1449 969C>T	1485 1005A>G	1485 1005A>G	1834 1354C>G	1834 1354C>G	2228 1748G>A	2376 1896G>A	2764 2284G>A	2764 2284G>A	2840 2360G>C	2935 2455G>A	
activating factor acetylhydrolase 2, complete cds	Human mRNA for proton- ATPase-like protein, complete cds	Human mRNA for proton- ATPase-like protein, complete cds	P2Y7 purinoceptor	Human ATL-derived PMA- responsive (APR) peptide	Endothelin Receptor Type	Endothelin ReceptoriType	Endothelin Receptor Type	Endothelln Receptor Type													
44C	GEN- 45C	GEN- 45C	GEN-7	GEN-7	GEN-7	GEN-7	GEN-7	GEN-466	GEN-	GEN- AD X	GEN-	GEN-	GEN- AD X	GEN-							
	603717	603717	601531	601531	601531	601531	601531	107770	131243	131243	131243	131243	131243	131243	131243	131243	131243	131243	131243	131243	
	D89052	D89052	D89078	D89078	D89078	D89078	D89078	D90070	D90348 131243	D90348	D90348 131243										
	D89052	D89052	D89078	D89078	D89078	D89078	D89078	LRP1	EDNRA												

4DX  4DX  4DX  4DX  4DX  4DX  4DX  4DX																													
4DX		က	v	1177N	A370S		ဟ	တ	R470K	T194A	٣	<b>&gt;</b> 0	n	ო		ო	က		က	ď	ò	D24V		တ		S		ဟ	
4DX		2814A>G		530T>A				1101C>T	1409G>A			4 - LOE 9	₩<16/0	787C>T		615T>G	622T>G			684A>G	)	71A>T			-	1194G>A		1098 1050T>G	
4DX  D90348 131243 GEN-  D90348 131243 GEN-  J00123 131330 GEN-T3  J00127 134820 GEN-T3  Human fibrinogen alpha chain mRNA, complete cc J00129 134830 GEN-T4  Human fibrinogen bet chain mRNA, partial cc J00129 134830 GEN-T4  Human fibrinogen bet chain mRNA, partial cc J00129 134830 GEN-T4  Human fibrinogen bet chain mRNA, partial cc J00129 134830 GEN-T4  Human fibrinogen bet chain mRNA, partial cc J00129 134830 GEN-T4  Human fibrinogen bet chain mRNA, partial cc J00140 126060 GEN-CO  J00140 126060 GEN-CO  J00140 126060 GEN-CO  J00140 126060 GEN-CO  J00140 126060 GEN-T4  Human dihydrofolat  GEN-FO  Human apolipoprotein mRNA, complete cd J02943 122500 GEN-Y2  Human corticosteroi binding globulin mRNA  complete cd J02943 122500 GEN-Y2  Human corticosteroi binding globulin mRNA  complete cd C		3294	81	260	1138		543	1101	1409	581	724	į	17)	829		929	683		701	745	?	106		971		1229		1098	
D90348 131243 J00123 131330 J00127 134820 GE J00129 134830 GE J00129 134830 GE J00140 126060 J00140 126060 J00140 126060 J02611 107740 GE J02611 107740 GE J02943 122500 GE J02943 122500 GE	⋖	Endothelin Receptor Type A	Human enkephalin gene	Human fibrinogen alpha-	chain mRNA, complete cds Human fibrinogen alpha-	chain mRNA, complete cds	Human fibrinogen beta- chain mRNA, partial cds	Human fibrinogen beta-	chain mRNA, partial cds Human fibrinogen beta-	chain mRNA, partial cds COAGULATION FACTOR	X alloyophydib demnH	reductase gene	redictase dene	Human dihydrofolate	reductase gene	Human apolipoprotein D mRNA, complete cds	Human apolipoprotein D	mRNA, complete cds	Human apolipoprotein D	Human apolipoprotein D	mRNA, complete cds	Human corticosteroid	complete cds	Human corticosteroid	binding globulin mRNA, complete cds	Human corticosteroid	pinding globulin mKNA,	Human interferon-gamma	
	4DX	GEN- 4DX	GEN-	GEN-T3	GEN-T3	i	GEN-14	GEN-T4	GEN-T4	GEN-OX	GEN-	4E9	4F9	GEN-	4E9	GEN-60	GEN-60	1	GEN-60	GEN-60		GEN-Y2		GEN-Y2		GEN-Y2		GEN-ZK	
		131243	131330	134820	134820	40400	134830	134830	134830	306900	126060	126060	7,000	126060		107740	107740		107740	107740		122500		122500		122500		107470	
EDNRA J00123 J00129 J00129 J00137 DHFR DHFR J02611 J02611 CBG CBG		D90348	J00123	J00127	J00127	9	J00129	J00129	J00129	J00137	J00140	100140		J00140		J02611	J02611		J02611	J02611		J02943		J02943		J02943		J03143 107470	
		EDNRA	J00123	FGA	FGA	200	200129	J00129	J00129	J00137	DHFR	AH.C	: :	DHFR	. a. (	J02611	J02611		J02611	J02611		CBG		CBG		CBG		J03143	

receptor mRNA, complete	147470 GEN-PJ Insulin-like growth fact	147470 GEN-PJ Insulin-like growth factor 2 1063 511G>A	147470 GEN-PJ Insulin-like growth factor 2 1190 638C>G	147470 GEN-PJ Insulin-like growth factor 2 1201 649C>T	601769 GEN-2J Vitamin D (1,25- 172 dihydroxyvitamin D3)	601769 GEN-2J Vitami	ainyaraxyvitamin, U.S.	601769 GEN-2J Vitamir	601769 GEN-2J Vitamir	Control of the contro	601769 GEN-2J Vitamin	601769 GEN-2J Vitamin dihydroxyvit	601769 GEN-2.1	dihydroxyvitamin D3)	601769 GEN-2J	receptor (Missails 1, 125, 125)	diby	receptor	7.189.10 GEN- H	118910 G	11E mRNA, complete cds	118910 GEN- HL					
	147470	147470	147470	147470	601769	601769		601769	601769		601769	601769	601769		601769	601769		0,70	118911	118910		118910					
	J03242	J03242	J03242	J03242	J03258	J03258		J03258	J03258		J03258	J03258	J03258		J03258	103258			303483	J03483		J03483					
	J03242	J03242	J03242	J03242	J03258	J03 <u>2</u> 58		J03258	J03258		J03258	J03258	J03258		J03258	.103258		Č	K S C S	CHGA	i	CHGA			SD-144146.1	r	

N498T	ო	က	м	ဟ	S 1400S	P445R	S R134K
 	1548T>A	1737A>G	2096 2020T>C	391 354G>A	1202 1164C>T 1237 1199T>G	1372 1334C>G	1379 1341C>T 454 401G>A
1569	1624	1813	2096	391	1202 1237	1372	1379
Dihydrolipoamide dehydrogenase (E3	dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex) Dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex,	2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex) Dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex,	2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex) Dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid	dehydrogenase complex) MICROTUBULE- ASSOCIATED PROTEIN TAU	Adrenergic receptor alpha 2c Adrenergic receptor alpha	2c Adrenergic receptor alpha	Adrenergic receptor alpha 2c Methenyltetrahydrolate cyclohydrolase
GEN-C5	GEN-C5	GEN-C5	GEN-C5	GEN-C7	GEN-A	GEN-A	GEN-A
J03490 246900	246900	J03490 246900	246900	157140	104250	104250	104250
J03490	J03490	J03490	J03490	J03778	J03853 J03853	J03853	J03853 J04031
J03490	J03490	J03490	J03490	J03778	J03853 J03853	J03853	J03853 J04031

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Q306E	ဟ	R653Q	T761M	ო	က	ო	A261S	တ	တ		[P505V;50	6-505del]	D592G	တ	, ,	ဟ	M828T	Ø	. (	'n	က	က	က	
916C>G	1561T>C	1958G>A	2282C>T	688C>Ţ	778T>C	1824T>C	803 781G>T	1042 1020C>T		1515CCT>CC T	1513-	1515delCCT	1775A>G	2193G>A		2328A>G	2483T>C	3387T>C		33871>C	2314C>T	2316G>T	2332G>T	
696	1614	2011	2335	791	881	1927	803	1042	1535		1535		1797	2215		2350	2505	3409		3409	2314	2316	2332	
Methenyltetrahydrofolate	cyclohydrolase Methenyltetrahydrofolate	Sycionydrolase Methenyltetrahydrofolate	cyclonyurolase Methenyltetrahydrofolate	cyclohydrolase Human calmodulin mRNA,	complete cds Human calmodulin mRNA,	complete cds Human calmodulin mRNA,	complete cds Angiotensin-converting	enzyme (ACE) Angiotensin-converting	enzyme (ACE) Angiotensin-converting	enzyme (ACE)	Angiotensin-converting	enzyme (ACE)	Angiotensin-converting	Angiotensin-converting	enzyme (ACE)	Angiotensin-converting enzyme (ACE)	Angiotensin-converting	Angiotensin-converting	enzyme (ACE)	Anglotensin-converting enzyme (ACE)	Human carboxypeptidase	Human carboxypeptidase	N mRNA, 3 end Human carboxypeptidase	N mRNA, 3 end
GEN-CB	GEN-CB	GEN-CB	GEN-CB	GEN	GEN-	GEN-	13N GEN-2L	GEN-2L	GEN-2L		GEN-2L		GEN-2L	GEN-2L		GEN-2L	GEN-2L	GEN-2L	1	GEN-ZL	GEN-173	GEN-173	GEN-173	
172460	172460	172460	172460	114183	114183	114183	106180	106180	106180		106180		106180	106180		106180	106180	106180	4004	081901	603104	603104	603104	
J04031	J04031	J04031	J04031	J04046	J04046	J04046	J04144	J04144	J04144		J04144		J04144	J04144		J04144	J04144	J04144	3	904144	J05158	J05158	J05158	
J04031	J04031	J04031	J04031	304046	J04046	J04046	J04144	304144	J04144		J04144		J04144	J04144		304144	J04144	J04144	2777	441.44	J05158	J05158	J05158	

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2541G>A	2651C>T	240A>G	327C>T	554T>C	14981 14876G>T	156A>G	896C>G	933G>A	1431G>A	1955T≻C	1955T>C	61G>A	91G>A	197 137T>C	204 144delG	238 178A>G
2541	2651	240	327	554	14981	173	913	950	1448	1972	1972	121	151	197	204	238
Human carboxypeptidase	Human carboxypeptidase	Human alpha-1- antichymotrypsin mRNA, 3	Human alpha-1- antichymotrypsin mRNA, 3	Human alpha-1- antichymotrypsin mRNA, 3	Human ryanodine receptor	Prostaglandin 15-OH	Prostaglandin 15-OH	denydrogenase (PGDH) Prostaglandin 15-OH	dehydrogenase (PGDH) Prostaglandin 15-OH	Prostaglandin 15-OH	Prostaglandin 15-OH	dehydrogenase (PGDH) Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)
GEN-173	GEN-173	GEN-PT	GEN-PT	GEN-PT	GEN-	GEN-E	GEN-E	GEN-E	GEN-E	GEN-E	GEN-E	GEN-PO	GEN-PO	GEN-PO	GEN-PO	GEN-PO
603104	603104	107280	107280	107280	180901	601688	601688	601688	601688	601688	601688	107741	107741	107741	107741	107741
J05158	J05158	J05176	J05176	J05176	J05200	J05594	J05594	J05594	J05594	J05594	J05594	K00396	K00396	K00396	K00396	K00396
J05158	J05158	J05176	J05176	J05176	105200	J05594	J05594	J05594	J05594	J05594	J05594	K00396	K00396	K00396	K00396	K00396

	P102R	A117T	C130R	G145D	R1520	R154S	R160C	R163C	R163H	K164E	R176C	R176C	iL.	R242Q		
	305C>G	349G>A	388T>C	434G>A	. 455G>A	460C>A	478C>T	487C>T	488G>A	490A>G	526C>T	526C>T	683G>A	725G>A		
	365	409	448	494	515	920	538	547	548	550	586	586	743	785		
mRNA	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E	en e	n en la la Le electrica Villa de la companya de La companya de la co
	GEN-PO	GEN-PO	GEN-P0	GEN-PO	GEN-P0	GEN-PO	GEN-PO	GEN-PO	GEN-PO	GEN-PO	GEN-P0	GEN-PO	GEN-PO	GEN-PO	· .	
	107741	107741	107741	107741	107741	107741	107741	107741	107741	107741	107741	107741	107741	107741		
	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396		
	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	SD-144146.1	

	R246C	V254E	R269G	R292H	S314R	Ø	တ	Ø	T207M	M268T	ဟ	တ	က	က	T400K	Ŋ	ı ıs	ro O	E10K
	796 736C>T	761T>A	805C>G	875G>A	940A>C	126 126G>C			620C>T	803T>C	1155 1116G>A	1476 1437C>A	1782G>A	2014A>C	1199C>A	(-68)A>C	_	(-39)C>T	28G>A
	796	821	865	935	1000	126	236	290	629	842	1155	1476	1821	2053	1248	19	26	48	114
(epsilon 2 and 3 alleles)	Human apolipopr (epsilon 2 and 3	Human apolipopn (epsilon 2 and 3 a	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	human alpha-tubulin	Neuropeptide Y	Neuropeptide Y	Human angiotensinogen mRNA, complete CDS	Human angiotensinogen mRNA, complete CDS	Human anglotensinogen mRNA_complete CDS	Human angiotensinogen mRNA, complete CDS	Human angiotensinogen mRNA, complete CDS	Human angiotensinogen mRNA, complete CDS	Human alpha-2-thiol proteinase inhibitor mRNA,	complete coding sequence Interleukin 1; beta	Interleukin 1 beta	Interleukin 1 beta	Interleukin 1, beta
	GEN-PO	GEN-P0	GEN-PO	GEN-P0	GEN-PO	GEN-TY	GEN-20	GEN-20	GEN-WK	GEN-WK	GEN-WK	GEN-WK	GEN-WK	GEN-WK	GEN-X2	GEN-5M	GEN-5M	GEN-5M	GEN-5M
	107741	107741	107741	107741	107741	602529	162640	162640	106150	106150	106150	106150	106150	106150	228960	147720	147720	147720	147720
	K00396	K00396	K00396	K00396	K00396	K00557	K01911	K01911	K02215	K02215	K02215	K02215	K02215	K02215	K02566	K02770	K02770	K02770	K02770
	K00396	K00396	K00396	K00396	K00396	K00557	K01911	K01911	AGT	AGT	AGT	AGT	AGT	AGT	O V V	K02770	K02770	K02770	K02770

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119 33G>A	5 390A>G	4 600T>C	786^787insA ATAAAATTC AT	_	2 99C>T	1064 831G>A	1 831G>A	3618G>C			38/6>A	1777G>A	1347C>A	456 456G>A	1646 1341G>T	2113 1808C>T	185 (-142)T>G	153T>G	674 348A>G
7	485	824	1010	88	332	106	1064	3966		•	445	1835	1371	45(	1646	2113	186	479	674
Interleukin 1, beta	Homo saplens cystatin B	Serotonin 5-HT receptors	Serotonin 5-HT receptors 5-HT1F	Endothelin Receptor Type	Endothelin Receptor Type B	Endothelin Receptor Type	Endothelin Receptor Type B	Human transforming	grown ractor (TGF-beta)	mRNA, complete cds	Protein kinase C, deita	Protein kinase C, delta	Gonadotropin releasing	hormone agonist Cholecystokinin (CCKb)	Gamma-aminobutync acid (GABA) A receptor, alpha	Gamma-aminobutyric acid (GABA) A receptor, alpha	Human inositol polyphosphate 1-phosphatese mRNA,	Human inositol polyphosphate 1- phosphates mRNA,	Human inositol
GEN-5M	GEN-	GEN- 4EV	GEN- 4EV	GEN-	GEN- 19S	GEN- 19S	GEN- 19S	GEN-	ָ ב		מילים מילים	GEN-DO	GEN	GEN-	GEN-G	GEN-G	GEN- 1FY	GEN- 1FY	GEN-
147720	601145	None	None	131244	131244	131244	131244	600742		476077	110011	//69/1	138850	118445	137142	137142	147263	147263	147263
K02770	L03558	L05597	L05597	L06623 131244	L06623	L06623	L06623	L07594		107064	107001	L0/861	L07949	L08112	L08485	L08485	L08488 147263	L08488	L08488 147263
K02770	L03558	L05597	L05597	EDNRB	EDNRB	EDNRB	EDNRB	TGFBR3		107064	107061	L08/07	GNRHR	CCKBR	L08485	L08485	INPP1	INPP1	INPP1

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	806 480G>A	170 96C>G	221 147C>G	, 153C>G	239 165G>A	255C>A	371C>T	191 153C>T	200 162G>A	230 192T>C	204G>A	257C>T	292G>A
	806	17(	22.	227	235	329	445	191	200	230	242	295	330
polyphosphate 1- phosphatase mRNA, complete cds	Human inositol polyphosphate 1-phosphatase mRNA, complete cds	Human glycosylation- inhibiting factor mRNA, complete cds	Human glycosylation- inhibiting factor mRNA,	Human glycosylation- inhibiting factor mRNA, complete cds	Human glycosylation- Inhibiting factor mRNA,	Human glycosylation- inhibiting factor mRNA,	Human glycosylation- Inhibiting factor mRNA,	Homo sapiens aryl sulfotransferase mRNA, complete ode	Homo saplens aryl sulfotransferase	Homo sapiens aryl suifotransferase mRNA,	Homo sapiens aryl sulfotransferase mRNA,	Homo sapiens aryl sulfotransferase mRNA,	Complete cas Homo sapiens aryl
154	GEN- 1FY	GEN-1J8	GEN-138	GEN-1J8	GEN-138	GEN-1J8	GEN-138	GEN- LVD	GEN- LVD	GEN- LVD	GEN- LVD	GEN- LVD	GEN-
	L08488 147263	153620	153620	153620	153620	153620	L10612 153620	171150	171150	171150	171150	171150	171150
	L08488	L10612	L10612	L10612	L10612	L10612	L10612	L10819	L10819	L10819	L10819	L10819	L10819 171150
	INPP1	MIM	MIN	M	MIF	MIN	MIN .	L10819	L10819	L10819	L10819	L10819	L10819

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	338 300G>A	638 600C>G	676 638A>G	940 902G>A	1011 973T>C	4284 4154C>A	4447 4317G>C	4525 4395T>G	4675 4545G>A	1003 904C>A	1283 1184A>G	•	1519 1420T>C	1444 1420C>T	1541 1517C>T
sulfotransferase mRNA,	complete cds Homo sapiens aryl sulfotransferase mRNA,	Homo sapiens aryl sulfotransferase mRNA, complete cds	Homo saplens aryl sulfotransferase mRNA, complete cds	Homo sapiens aryl sulfotransferase mRNA, complete cds	Homo sapiens aryl sulfotransferase mRNA, complete cds	Human aldehyde oxidase (hAOX) mRNA, complete	Human aldehyde oxidase (hAOX) mRNA, complete	Human aldehyde oxidase (hAOX) mRNA, complete	Human aidehyde oxidase (hAOX) mRNA, complete	Cyclophilin D 40kDa	Cyclophilin D 40kDa	Cyclophilin D 40kDa	Cyclophilin D 40kDa	Human cytosolic serine hydroxymethyltransferase (SHMT) mRNA, complete	Human cytosolic serine hydroxymethyltransferase (SHMT) mRNA, complete cds
LVD	GEN- LVD	GEN- LVD	GEN- LVD	GEN- LVD	GEN-	GEN-	GEN- 1JU	GEN-	GEN-	GEN-H	GEN-H	GEN-H	GEN-H	GEN- 4DT	GEN- 4DT
	L10819 171150	171150	171150	171150	171150	602841	602841	602841	602841	601753	601753	601753	601753	182144	182144
	L10819	L10819	L10819	L10819	L10819	L11005	L11005	L11005	L11005	L11667	L11667	L11667	L11667	L11931	L11931
	L10819	L10819	L10819	L10819	L10819	L11005	L11005	L11005	L11005	L11667	L11667	L11667	L11667	L11931	L11931

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1707 1707G>A	525G>C	699C>A	855G>A	1620T>G	2044G>T			1,500621		1651C>T		1700C>T		2745G>T		43726>4		2223C>T	2445C>T	1980T>C		1340C>T					ýme.	• ••	
1707	1618	1792	1948	2713	3137	2044	7 7 7	140		1868		1917		2962		4589		2222	2444	2009		1381							
Human cAMP phosphodiesterase mRNA,	Glutamate Aspartate	Glutamate Aspartate	Glutamate Aspartate	Glutamate Aspartate	receptor NMDA 1 Glutamate Aspartate	Gutamata Aspartate	receptor NMDA 1	Miller-Dieker lissencephaly	complete cds	Homo sapiens(clone 71) Miller-Dieker lissencephaly	complete cds	Homo sapiens(clone 71) Miller-Dieker lissencephaly	protein (LIS1) mRNA, complete cds	Homo sapiens(clone 71) Miller-Dieker lissencephaly	protein (LIS1) mRNA,	Homo saniens/clone 71)	Miller-Dieker lissencephaly protein (LIS1) mRNA,	guanylate cyclase	guanylate cyclase	Human	prolylcarboxypeptidase	Homo sapiens	energy Services	erini Vilo	•				•
GEN-	GEN-J	GEN-J	GEN-J	GEN-J	GEN-J	- Nu		106		GEN- 106		GEN- 106		GEN- 106		A N N	106	GEN-20	GEN-2Q	GEN-	T X	GEN-		~~ .	•				
171885	138249	138249	138249	138249	138249	138240	80154E	2		601545		601545		601545		601545		108961	108961	176785		114080							
L12052	L13266	L13266	L13266	L13266	L13266	13266	12285	1 3363		L13385		L13385		L13385		113385		L13436	L13436	L13977		L17000							
L12052	L13266	L13266	L13266	L13266	L13266	113266		5		MDOR		MDCR		MDCR		MDCR		L13436	L13436	L13977		CAMK4			1	SD-144146.1			

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	838 747G>A 573 309T>G	1710>6	330T>C	541A>T	243 105A>G	146C>T	1535T>G	2111C>G	3787G>A	4911G>A	5453C>T	1671 1380A>G
	838	259	418	629	243	284	1536	2112	3788	4912	5454	1671
calcium/calmodulin- dependent protein kinase mRNA complete cds	Human TGF-b superfamily receptor type I mRNA, complete cds Human protein kinase C	lota isoform (PRKCI) mRNA, complete cds Human nerve-terminal protein (isoform SNAP25A)	Human nerve-terminal protein (isoform SNAP25A)	Human nerve-terminal protein (isoform SNAP25A) mRNA complete cds	Human aryl sulfotransferase mRNA, complete cds	Human aryl sulfotransferase mRNA, complete cds	Homo saplens Huntington disease-associated protein (HD) mRNA complete cds	Homo sapiens Huntington disease-associated protein (HD) mRNA complete cds	Homo sapiens Huntington disease-associated protein (HD) mRNA, complete cds	Homo sapiens Huntington disease-associated protein (HD) mRNA complete cds	Homo sapiens Huntington disease-associated protein (HD) mRNA, complete cds	G-protein coupled adenosine A3 receptor
1ZR	GEN- 1ZQ GEN-	21N GEN- 22D	GEN- 22D	GEN-	GEN- LVE	GEN- LVE	GEN- 23G	GEN- 23G	GEN- 23G	GEN- 23G	GEN- 23G	GEN-M
	601284	600322	600322	600322	600641	600641	143100	143100	143100	143100	143100	600445
	L17075 L18964	L19760	L19760	L19760	L19956	L19956	L20431	L20431	L20431	L20431	L20431	L20463
1 11 14 14 14 14 14 14 14 14 14 14 14 14	L17075 PRKCI	L19760	L19760	L19760	L19956	L19956	유	무	유	무	<u>.</u> £	L20463

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336 (-56)C>T	3 3175T>C	676 (-721)T>G	814 (-583)C>T	3 597C>T	5 969C>T	2821 1425G>C	7 2141T>C	557 147G>C	2212G>A	7 1898C>T	: 1185T>C	1253C>T
33	3566	67	81,	1993	2365	282	3537	557	2622	1917	1422	1490
Human very low density lipoprotein receptor mRNA, complete cds	Human ver Ilpoprotein rec	Human acyl coenzyme A:cholesterol acyltransferase mRNA,	Human acyl coenzyme A:cholesterol acyltransferase mRNA,	Human acyl coenzyme A:cholesterol acyltransferase mRNA,	Human acyl coenzyme A:cholesterol acyltransferase mRNA,	Human acyl coenzyme A:cholesterol acyltransferase mRNA,	Human acyl coenzyme Acholesterol acyltransferase mRNA,	Adenosine A1 receptor (ADORA1)	Adenosine A1 receptor (ADORA1)	Homo sapiens dopamine transporter mRNA, complete cds	PROSTAGLANDIN F RECEPTOR	PROSTAGLANDIN F RECEPTOR
GEN- 23D	GEN- 23D	GEN- 25C	GEN- 25C	GEN- 25C	GEN- 25C	GEN- 25C	GEN- 25C	GEN-2S	GEN-2S	GEN-283	GEN-O	GEN-O
L20470 192977	192977	102642	102642	L21934 102642	102642	102642	102642	L22214 102775	102775	126455	600563	600563
L20470	L20470	L21934	L21934	L21934	L21934	L21934	L21934	L22214	L22214	L24178	L24470	L24470
VLDLR	VLDLR	SOAT	SOAT	SOAT	SOAT	SOAT	SOAT	L22214	L22214	SLC6A3	L24470	L24470

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1517 1280A>G	2244 2007A>G	2299 2062A>G	41 (-172)G>T	102 (-111)C>T	229 17C>T	229 17C>T	236 24G>A	330 118A>G	330 118A>G	991 779G>A	1005 793C>T	1154 942G>A	1154 942G>A	906 819C>T
PROSTAGLANDIN F 1			Human Mu opiate receptor (MOR1) mRNA, complete	Human Mu opiate receptor (MOR1) mRNA, complete		Human Mu opiate receptor (MOR1) mRNA, complete								
GEN-O	GEN-O	GEN-O	GEN- 4EP	GEN- 4EP	GEN- 4EP	GEN- 4EP	GEN- 4EP	GEN-	GEN- 4EP	GEN-	GEN-	GEN- 4EP	GEN- 4EP	GEN- 2AK
L24470 600563	L24470 600563	L24470 600563	L25119 600018	L25119 600018	L25119 600018	L25119 600018	L25119 600018	L25119 600018	L25119 600018	L25119 600018	L25119 600018	L25119 600018	L25119 600018	L26232 172425
L24470	L24470	L24470	OPRM1	OPRM1	OPRM1	OPRM1	OPRM1	OPRM1	OPRM1	OPRM1	OPRM1	OPRM1	OPRM1	L26232

T487K	တ	V75M	Q446R	ω	Ø	ဟ	တ	G1815A	D1840E	က	က	ო	ဟ	Ø	Ø	Ø	D843N	ო	က	
1547 1460C>A	159C>T	223G>A	1337A>G	171 171C>T	534C>T	549G>A	5442C>G	5444G>C	5520C>G	5716C>A	5746C>A	5760G>A	1740C>T	1935C>T	2043T>C	2163T>C	2527G>A	2632C>A	2682A>G	
1547	547	611	1725	171	534	549	5667	5669	5745	5941	5971	5985	1857	2052	2160	2280	2644	2749	2799	
complete cds Human phospholipid transfer protein mRNA,	Complete cds Prostaglandin E receptor 2	(subtype EP2), 53KD Prostaglandin E receptor 2	(subtype EP2);53kD Prostaglandin E receptor 2	(subtype EP2), 53kD Adrenergic receptor alpha	1b Adrenergic receptor alpha	Adrenergic receptor alpha	10 Ca Channel alpha1s L-	Type Ca Channel alpha1s L-	Type Ca Channel alpha1s L-	Type Channel alpha1s L-	Type Ca Channel alpha1s L-	Type Ca Channel alpha1s L-	PHOSPHATIDYLINOSITO	L 4-KINASE ALPHA PHOSPHATIDYLINOSITO	L 4-NINASE ALPHA PHOSPHATIDYLINOSITO	L 4-KINASE ALPHA PHOSPHATIDYLINOSITO	PHOSPHATIDYLINOSITO	PHOSPHATIDYLINOSITO	L 4-KINASE ALPHA PHOSPHATIDYLINOSITO	:
GEN- 2AK	GEN-7C	GEN-7C	GEN-7C	GEN.	0 4 6 0 4 6	3 m 6	GEN-Q	GEN-Q	GEN-Q	GEN-Q	GEN-Q	GEN-Q	GEN-DT	GEN-DT	GEN-DT	GEN-DT	GEN-DT	GEN-DT	GEN-DT	
L26232 172425	601586	601586	601586	104220	104220	104220	114208	114208	114208	114208	114208	114208	600286	600286	600286	600286	600286	600286	600286	
L26232	L28175	L28175	L28175	L31773	L31773	L31773	L33798	L33798	L33798	L33798	L33798	L33798	L36151	L36151	L36151	L36151	L36151	L36151	L36151	
L26232	PTGER2	PTGER2	PTGER2	L31773	L31773	L31773	L33798	L33798	L33798	L33798	L33798	133798	L36151	L36151	L36151	L36151	L36151	L36151	L36151	

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2804 2687A>G	2844 2727C>G	2848 2731G>A	2740A>G		2760A>G	2825C>T	0,440	1387 123A2G			1440 1278A>C				1336A>G	(-181)C>T		564C>T			2297 1726T>A				17971>C			2211G>A			2952 2381T>G
2804	2844	2848	2857		2877	2942	1001	801			1440				1337	287		1135			2297				2368			2782			2952
PHOSF	PHOSF	PHOSE	L 4-KINASE ALPHA PHOSPHATIDYLINOSITO	L 4-KINASE ALPHA	PHOSPHATIDYLINOSITO L 4-KINASE ALPHA	PHOSPHATIDYLINOSITO	L 4-KINASE ALPHA	preferring VIP recentor	(VIP2/PACAP receptor)	mRNA, complete cds	Human helodermin-	preferring VIP receptor	(VIP2/PACAP receptor)	mRNA, complete cds	syntaxin 1A	Serotonin 5-HT receptors	5-HT6	Homo sapiens	phosphatase 2A B56-alpha	(PP2A) mRNA, complete	Homo sapiens	phosphatase 2A B56-alpha	(PP2A) mRNA, complete	SDO	Homo sapiens	pnospnatase ZA B56-aipna (PP2A) mRNA complete	spo	Homo sapiens	phosphatase 2A B56-alpha (PP2A) mRNA complete	spo	Homo sapiens
GEN-DT	GEN-DT	GEN-DT	GEN-DT		GEN-DT	GEN-DT	Ü	2N5	ì		GEN-	2N5			GEN-DX	GEN-2T		GEN-	207		GEN-	2U7		i	1 5 CH	707		GEN-	207		GEN
600286	600286	600286	600286		600286	600286	601070				601970					601109		601643			601643			0,00	001643			601643			601643
L36151	L36151	L36151	L36151		L36151	L36151	136566	2000			L36566				L37792	L41147		L42373			L42373			000	L423/3			L42373		-	L42373
L36151	L36151	L36151	L36151		L36151	L36151	1 36566	L30200			L36566				L37792	L41147		L42373			L42373			000	L423/3			L42373			L42373

	Ø	ω	C604Y	က	N363S	Ø	ш	D641V	1747S	L753F	L753F	တ	က	က	ဟ	ш	V1000I	က	W16S	υ	ာ ဟ	٠
	2526G>A	306G>A	1911 1811G>A	2539A>C	1220 1088A>G	1892-	1893AG>AG 1892-	1893delAG 1922A>T	2240T>G	2259A>C	2259A>T	2034C>T	3221T>G	3266T>G	1530T>A	1756C>T	2998G>A	4431A>C	47G>C	0.757.0		; +
	2526	406	1911	2639	1220	2024	2024	2054	2372	2391	2391	2166	3353	3398	1573	1799	3041	4474	79	1267	63	
phosphatase 2A B56-al (PP2A) mRNA, comp	Glutamate Aspartate	receptor NiviDA 2C Homo sapiens stat-like protein (Fe65) mRNA,	complete cds Homo saplens stat-like protein (Fe65) mRNA,	complete cds Homo sapiens stat-like protein (Fe65) mRNA,	complete cds Corticosteroid nuclear	Conficosteroid nuclear	receptor b Corticosteroid nuclear	receptor b Glucocorticoid receptor	Glucocorticoid receptor	Glucocorticoid receptor	aipha-2-macroglobulin	alpha-2-macroglobulin	alpha-2-macroglobulin	alpha-2-macroglobulin	Gonadotropin-releasing	refeasing hormone)	Human N-acetyl-beta-					
207	GEN-	GEN-3QI	GEN-3QI	GEN-3QI	GEN-2W	GEN-2W	GEN-2W	GEN-2W	GEN-2W	GEN-2W	GEN-2W	GEN-7Y	GEN-7Y	GEN-7Y	GEN-E7	GEN-E7	GEN-E7	GEN-E7	GEN-2Y	0EN 77	GEN-10I	
	L76224 138254	L77864 602709	602709	602709	M10901 138040	138040	138040	138040	138040	138040	138040	138040	138040	138040	103950	103950	103950	103950	152760	133/30	268800	
	L76224	L77864	L77864	L77864	M10901	M10901	M10901	M10901	M10901	M10901	M10901	M11050	M11050	M11050	M11313	M11313	M11313	M11313	M12578	M12674	M13519	
	L76224	L77864	L77864	L77864	M10901	M10901	M10901	M10901	M10901	M10901	M10901	M11050	M11050	M11050	M11313	M11313	M11313	M11313	M12578	1410674	HEXB	

	S164A	ო	ო	က	Y91F	ιo	V26L	w	ო	က	ო	ო	ო	ო
	490 490T>G	1741 1741A>C	1798A>G	8728G>A	272A>T	184 (-11)T>C	270 76G>C	252C>T	1254 1060C>G	1306 1112G>A	1142T>A	1338 1144C>T	1451 1257G>A	1462 1268C>T
	490	1741	1798	8899	291	184	270	446	1254	1306	1336	1338	1451	1462
glucosaminidase (HEXB) mRNA, 3 end	Human N-acetyl-beta- glucosaminidase (HEXB) mRNA, 3 end	Human N-acetyl-beta- glucosaminidase (HEXB) mRNA, 3 end	Human N-acetyl-beta- glucosaminidase (HEXB)	Factor VIII	Human diazepam binding inhibitor (DBI) mRNA,	Human cathepsin B proteinase mRNA, complete cds	Human cathepsin B proteinase mRNA, complete cds	Human cathepsin B proteinase mRNA, comolete cds	Human cathepsin B proteinase mRNA, complete cds	Human cathepsin B proteinase mRNA,				
	GEN-10I	GEN-10I	GEN-101	GEN-5T	GEN- 10W	GEN-QM	GEN-OM	GEN-QM	GEN-QM	GEN-QM	GEN-QM	GEN-QM	GEN-QM	GEN-QM
	M13519 268800	268800	268800	306700	125950	M14221 161565	161565	161565	M14221 161565	161565	161565	M14221 161565	161565	161565
	M13519	M13519	M13519	M14113	M14200	M14221	M14221							
	HEXB	HEXB	HEXB	M14113	i80	M14221	M14221							

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1522 1328G>C	1363G>C	1391C>A	1630 1436T>C	1668 1474T>G	1712 1518C>G	1898 1704A>G	(-18)A>C	1647 1068T>C	1573A>T	800 744C>T	1781 1781C>T	2041C>G	2412C>T	2446G>A
1522	1557	1585	1630	1668	1712	1898	562	1647	2152	800	1781	2041	2412	2446
complete cds Human cathepsin B proteinase mRNA,	Complete cos Human cathepsin B proteinase mRNA,	complete cds Human cathepsin B proteinase mRNA,	complete cds Human cathepsin B proteinase mRNA,	complete cds Human cathepsin B proteinase mRNA,	complete cds Human cathepsin B proteinase mRNA,	complete cds Human cathepsin B proteinase mRNA,	complete cds Homo sapiens c-syn protooncogene mRNA,	complete cds Homo sapiens c-syn protooncogene mRNA,	complete cds Homo sapiens c-syn protooncogene mRNA,	Complete cds Human liver arginase	Human factor XIII subunit a	Human factor XIII subunit a	Human factor XIII subunit a	mkwa, 3 end Human factor XIII subunit a mRNA, 3 end
GEN-QM	GEN-QM	GEN-QM	GEN-OM	GEN-OM	GEN-OM	GEN-OM	GEN-QO	GEN-QO	GEN-QO	GEN-	GEN-QP	GEN-QP	GEN-QP	GEN-QP
M14221 161565	161565	161565	161565	161565	161565	161565	137025	M14333 137025	137025	207800	134570	134570	134570	134570
M14221	M14221	M14221	M14221	M14221	M14221	M14221	M14333	M14333	M14333	M14502	M14539	M14539	M14539	M14539
M14221	M14221	M14221	M14221	M14221	M14221	M14221	M14333	M14333	M14333	ARG1	M14539	M14539	M14539	M14539

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3282 3282G>T	2716 2603C>T	2729 2616C>T	2912 2799G>A	3252 3139C>G	466 (-1122)C>G	565 (-1023)G>A	1541 (-47)C>T	1633 46A>G	1633 46A>G	1666 79C>G	1666 79C>G	1666 79C>G	1687 100G>A	1839 252G>A	2110 523C>A	2640 1053G>C	2826 1239G>A	2862 1275C>G	2864 1277C>A	2865 1278C>A	3371 1784A>T	422 293A>G	557 428G>A	564 435-	436TT>AG>A			596 467A>.G
GEN-QP Human factor XIII subunit a					Beta2 Adrenergic Receptor	Beta2 Adrenergic Receptor	Beta2 Adrenergic Receptor	Beta2 Adrenergic Receptor		Beta2 Adrenergic Receptor 7	Beta2 Adrenergic Receptor 3	Beta2 Adrenergic Receptor 2	Beta2 Adrenergic Receptor 3	Beta2 Adrenergic Receptor 2	Beta2 Adrenergic Receptor 2	Beta2 Adrenergic Receptor	Butyrylcholinesterase	Butyrylcholinesterase	Butyrylcholinesterase			Butyrylcholinesterase	Butyrylcholinesterase					
GEN-QP	GEN- 1S8	GEN- 1S8	GEN- 1S8	GEN- 1S8	GEN-T	GEN-T	GEN-T	GEN-T	GEN-T	GEN-T	GEN-T	GEN-T	GEN-T	GEN-T	GEN-T	GEN-T	GEN-T	GEN-1	GEN-T	GEN-T	GEN-T	GEN-35	<b>GEN-35</b>	GEN-35			GEN-35	GEN-35
134570	162010	162010	162010	162010	109690	109690	109690	109690	109690	109690	109690	109690	109690	109690	109690	109690	109690	109690	109690	109690	109690	177400	177400	177400			17/400	177400
M14539	M14764	M14764 162010	M14764	M14764	M15169	M15169	M15169	M15169	M15169	M15169	M15169	M15169	M15169	M15169	M15169	M15169	M15169	M15169	M15169	M15169	M15169	M16541	M16541	M16541			M16541	M16541
M14539	NGFR	NGFR	NGFR	NGFR	M15169	M15169	M15169	M15169	M15169	M15169	M15169	M15169	M15169	M15169	M15169	M15169	M15169	M15169	M15169	M15169	M15169	M16541	M16541	M16541			M16541	M16541

T271M	T278P	E283D	L3581	G393R	G418V	F474V	ш	E525V	R543C	A567T	A567T	8	က	က				ဟ		R858K		R865H		V1764M		R75H	W		က		ဟ			ω		်ဟ	)
812C>T		849G>C	1072T>A	1177G>A	1253G>T	1420T>G	1435G>T	1574A>T	1627C>T	1699G>A	1699G>A	1998A>G	1998A>G	1274A>C				2301G>A		2573G>A		2594G>A		5290G>A		224G>A	330C>T		745 745T>C		480C>T			633G>A		1385 1023T>C	
941	961	978	1201	1306	1382	1549	1564	1703	1756	1828	1828	2127	2127	1283				2391		2663		2684		5380		224	330		745		511			995		1385	
Butvrvicholinesterase	Butyrylcholinesterase	Human cerebrovascular	and neuritic plaque	amyloid beta-protein	mRNA, 3 end	Human coagulation factor	V mRNA, complete cds	Human coagulation factor	V mRNA, complete cds	Human coagulation factor	V mRNA, complete cds	Human coagulation factor	V mRNA, complete cds	Human cytochrome	Human cytochrome	P450c21 mRNA, 3 end	Human cytochrome	P450c21 mRNA, 3 end	Human prothrombin (F2)	gene, complete cds, and	Alu and Kpnl repeats	Androgen receptor	audiasona no lo luno)	receptor) Androgen receptor	· · · · · · · · · · · · · · · · · ·												
GEN-35	<b>GEN-35</b>	<b>GEN-32</b>	GEN-	1 YM			GEN-	128	GEN-	128	GEN-	128	GEN-	128	GEN-201	GEN-201		GEN-201		GEN-SM			GEN-38		GEN-38	·											
177400	177400	177400	177400	177400	177400	177400	177400	177400	177400	177400	177400	177400	177400	104760				227400		227400		227400		227400		201910	201910		201910		176930			313700		313700	
M16541	M16765				M16967		M16967		M16967		M16967	1	M17252	M17252		M17252		M17262			M20132		M20132 313700														
M16541	M16765			Î	ξŢ.		F5	1	F5		F5		CYP21	CYP21		CYP21		M17262			M20132		M20132														

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	1786 1424G>A		294G>A	363C>A	216C>A		116 (-20)G>T	. (	231 96G>C	132C>T		132C>T		143-		143-144delGT	. !	508C>T		265G>C		201A>T		469 451G>A		738 738C>T		213T>C		1	2281>G	
	1786		331	400	252	!	116	3	231	267	}	267		278		278		643		200		219		469		738	}	221			236	
(dihydrotestosterone	Androgen receptor	(dinydrotestosterone receptor)	Phospholipase A-2 (PLA-2)	lung Phospholipase A-2 (PLA-2)	lung Human neuromedin B	mRNA, complete cds	Human RASF-A PLA2	mRNA, complete cds	Human KASF-A PLAZ	MKNA, complete cds Hilman RASF-A PI A2	mRNA, complete cds	Human RASF-A PLA2	mRNA, complete cds	NADH dehydrogenase	(ubiquinone) flavoprotein 2 (24kD)	NADH dehydrogenase	(ubiquinone) flavoprotein 2	COAGIII ATION FACTOR	X PRECURSOR	Glutamic-oxaloacetic	ransaminase 2, mitochondrial (aspartate	aminotransferase 2)	Glutamic-oxaloacetic	17 000 11 100								
·	GEN-38		GEN-3B	GEN-3B	SEN-	24P	GEN-	25V	ביים פובים פובים	SEN-	25V	GEN-	25V	GEN.	25V	GEN-	25V	SES.	250	GEN	25V	GEN-EO		GEN-EO		GEN-3C		GEN-EP			GEN-EP	
	M20132 313700		172410	172410	162340		172411		172411	172411		172411		172411		172411		172411		172411		600532		600532		227600		138150			138150	
	M20132		M21054	M21054	M21551		M22430		M22430	M22430		M22430		M22430		M22430		M22430		M22430		M22538		M22538		M22613		M22632			M22632	
	M20132		M21054	M21054	M21551		PLA2G2A		PLA2G2A	PI A2G2A		PLA2G2A		M22538	•	M22538		M22613		M22632			MZ2632									

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	2009 2001C>T			79 (-17)C>A			102 7G>T		-	464 369A>T			846 751G>T			848 753C>T				1694 1280C>T	 107 107T>G		7,4000	303 303A>1		305 305G>A			1086 995T>G		855 793G>A	
mitochondrial (aspartate		transaminase 2, mitochondrial (aspartate	aminotransferase 2)	Human MHC protein	homologous to chicken B	complex protein mRNA,		homologous to chicken B	complex protein mRNA,		homologous to chicken B	complex protein mRNA,		homologous to chicken B	complex protein mRNA,		homologous to chicken B	complex protein mRNA,				fiber protein (alpha-B-		fiber protein (alpha-B-	crystallin) mRNA, 3 end			crystallin) mRNA, 3 end	Human neuronal growth 100	mRNA complete cds		
mito	GEN-EP	e dia		GEN-286	homo		GEN-286	homo	ПОО	GEN-286	homo	100 	GEN-286	homod	ШОО	GEN-286	ршоч	Ш00		GEN-80 Re	운	287 110	SEN LIDES	-		I	28V fib		GEN- Hum		GEN- Hun	
	138150			None			None			None			None			None				180190	123590		400500			123590			162060		M25756 118930	
	M22632			M24194			M24194			M24194			M24194			M24194				M24857	M24906		AND A DO R	NE#300		M24906			M25667		M25756	
	M22632			M24194			M24194			M24194		ı	 M24194	٠	•	M24194			1	M24857	CKYAB		9			CRYAB			GAP43		M25756	

	S	A62G	က	က	က				က				က				က			တ		v		L62W		S79F		တ		ന		T203A			ဟ			G81R		
	837C>T	185C>G	1163A>T	1207A>G	1315C>T				1508 1409A>G				1588 1489T>G				4686 4604T>G			34 15G>C		183C>T		185T>G		236C>T		670C>T		805G>A		607A>G			609C>A			297 241G>C		
	899	259	1237	1281	1414				1508				1588				4686			34		202		204		255		689		824		677			629			297		
gene, complete cds	Human secretogranin II	gene, complete cus Interleukin 8	Interleukin 8	Interleukin 8	Human tissue factor gene,	complete cds, with a Alu	repetitive sequence in the	3 untranslated region	Human tissue factor gene,	complete cds, with a Alu	repetitive sequence in the	3 untranslated region	Human tissue factor gene,	complete cds, with a Alu	repetitive sequence in the	3 untranslated region	INTERLEUKIN 1	RECEPTOR, TYPE I	PRECURSOR	Human apolipoprotein A-I	mRNA, complete cds	Human apolipoprotein A-I	mRNA, complete cds	Human apolipoprotein A-I	mRNA, complete cds	Human apolipoprotein A-1	mRNA, complete cds	Human apolipoprotein A-I	mRNA, complete cds	Human apolipoprotein A-I	mRNA, complete cds	Homo sapiens GTP-	binding protein (RAB4)	mRNA, complete cds	Homo sapiens GTP-	binding protein (RAB4)	mRNA, complete cds	Homo sapiens GTP-	binding protein (RAB5)	
29W	GEN-	GEN-3E	GEN-3E	GEN-3E	GEN-R7				GEN-R7				GEN-R7				GEN-3F			GEN-	SCK SCK	GEN-	20K	GEN-	2CK	GEN-	SCK SCK	GEN.	SCK SCK	GEN.	SCK SCK	GEN-	201		GEN-	2D1		GEN	2D3	
	118930	146930	146930	146930	134390				134390				134390				147810			107680		107680		107680		107680		107680		107680		179511			179511			179512		
	M25756	M26383	M26383	M26383	M27436				M27436				M27436 134390				M27492			M27875		M27875		M27875		M27875		M27875		M27875		M28211			M28211			M28215		
	M25756	M26383	M26383	M26383	M27436	•			M27436				M27436				M27492			M27875		M27875		M27875		M27875		M27875		M27875		M28211			M28211			M28215		

	က	V385L	A390P	1422V	I422V	D459G	က	P27S	A35G	တ	w	ш	ო	ო
	92 92C>T	1283 1153G>C	18 1168G>C	1264A>G	1394 1264A>G	6 1376A>G	6 1566G>A	178 79C>T	3 104C>G	0 111G>T	7 228C>T	3 454T>C	6 527G>T	0 541T>C
	O)	128	1298	1394	139	1506	1696	17	203	210	327	553	626	640
mRNA, complete cds	Adrenocorticotropic hormone (ACTH)	Human transf	Human cho transfer p	Human cholesteryl ester transfer protein mRNA,	Human cho transfer p	Human cho transfer p	Human cho transfer pi	Human cardiodilatin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	Human cardiodilatin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	Human cardiodilatin-atrial natriuretic factor (CDD-ANF) mRNA complete cds	Human cardiodilatin-atrial natriuretic factor (CDD-ANF) mRNA complete cds	Human cardiodilatin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	Human cardiodilatin-atrial natriuretic factor (CDD-ANF) mRNA complete cds	Human cardiodilatin-atrial natriuretic factor (CDD-
	GEN- 2DG	GEN- 2FK	GEN- 2FK	GEN- 2FK	GEN- 2FK	GEN- 2FK	GEN- 2FK	GEN-WA	GEN-WA	GEN-WA	GEN-WA	GEN-WA	GEN-WA	GEN-WA
	176830	118470	118470	118470	118470	118470	118470	600295	600295	600295	600295	600295	600295	600295
	M28636	M30185	M30185	M30185	M30185	M30185	M30185	M30262	M30262	M30262	M30262	M30262	M30262	M30262
	POMC	CETP	CETP	CETP	CETP	CETP	CETP	M30262	M30262	M30262	M30262	M30262	M30262	M30262

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•	1049 1043G>A	1271 1241C>T	1314G>A	1459G>A	1780 1750T>C	676 587T>G	1176 1087G>A	1579G>T	2809G>A	3582G>A	109 109G>A	438 438A>G	1172A>C	1179 1179C>T	1323 1323C>A	1376G>C	1433C>T	371A>G	486 408G>A
	1049	1271	1344	1489	1780	929	1176	1668	2898	3671	109	438	1172	1179	1323	1376	1433	449	486 4
ANF) mRNA, complete cds	Guanine nucleotide binding protein (G protein), beta polypeptide 3	Steroid 5 alpha reductase	Tumor necrosis factor receptor 2 (75kD)	Pyruvate dehydrogenase (llooamide) beta	Pyruvate dehydrogenase (liooamide) beta	Pyruvate dehydrogenase	Pyruvate dehydrogenase (lipoamide) beta	Pyruvate dehydrogenase (lipoamide) beta	Pyruvate dehydrogenase (Ilpoamide) beta	Pyruvate dehydrogenase (lipoamide) beta	FKBP, tacrolimus binding protein, FK506-binding	FKBP, tacrolimus binding protein, FK506-binding							
	GEN-7G	GEN-5Y.	GEN-5Y	GEN-5Y	GEN-5Y	GEN-3M	GEN-3M	GEN-3M	GEN-3M	GEN-3M	GEN-F9	GEN-F9	GEN-F9	GEN-F9	GEN-F9	GEN-F9	GEN-F9	GEN-3N	GEN-3N
	139130	184753	184753	184753	184753	191191	191191	191191	191191	191191	179060	179060	179060	179060	179060	179060	179060	186945	186945
	M31328 139130	M32313	M32313	M32313	M32313	M32315	M32315	M32315	M32315	M32315	M34479	M34479	M34479	M34479	M34479	M34479	M34479	M34539	M34539 186945
	M31328	M32313	M32313	M32313	M32313	M32315	M32315	M32315	M32315	M32315	M34479	M34479	M34479	M34479	M34479	M34479	M34479	M34539	M34539

	ო	A147T	A147T	H162R		H162R	က	. (	7	•	n		P.561	V333F	H353N	S	တ	Ø	F503L	123T		တ		P391A		S	
	650 572T>C	500 439G>A	500 439G>A	546 485A>G	5	546 485A>G	711 650T>G		1368 1364A>C	- (	1810 1786G>A		167C>T			1326G>T	1431C>T	1431C>T	1507T>C	68T>C		951G>A		1171 1171C>G		390 186T>C	
	650	200	200	546	2	546	711		000		0181		323	1154	1213	1482	1587	1587	1663	68		951		1171		390	
protein 1 (12kD)	FKBP, tacrolimus binding protein, FK506-binding protein 1 (12kD)	Benzodiazepine receptor,	periprieral-type Benzodiazepine receptor,	peripheral-type Benzodiazenine recentor	peripheral-type	Benzodiazepine receptor,	peripheral-type Benzodiazepine receptor,	peripheral-type	transaminase 1. soluble	(asparate	Clutamic-oxaloacetic transaminase 1, soluble	(aspartate	aminotransferase 1)	acetylcholinesterase	acetylcholinesterase	acetylcholinesterase	acetylcholinesterase	acetylcholinesterase	acetylcholinesterase	Human neurokinin A	receptor (NK-ZK) mKNA, complete cds	Human neurokinin A	receptor (NK-2R) mRNA,	complete cas Human neurokinin A	receptor (NK-2R) mRNA,	complete cds Catechol-O-	methyltransferase
	GEN-3N	GEN-3P	GEN-3P	GEN-3P	j j	GEN-3P	GEN-3P	1	2 - - - - -	( i	ה היי		GEN-30	GEN-30	GEN-30	GEN-30	GEN-30	GEN-30	GEN-30	GEN-	4 7 T	GEN	4FK	GEN	4FK	GEN-3S	
	186945	109610	109610	109610		109610	109610	070	136160		138180		100740	100740	100740	100740	100740	100740	100740	None		None		None		116790	
	M34539 186945	M36035	M36035	M36035		M36035	M36035	007	M3/400		M3/400		M55040	M55040	M55040	M55040	M55040	M55040	M55040	M57414		M57414		M57414		M58525	
	M34539	M36035	M36035	M36035		M36035	M36035	0071074	M5/400		M3/400	1	M55040	M55040	M55040	M55040	M55040	M55040	M55040	M57414		M57414		M57414		M58525	

တ	A72S	ဟ	w	M158V	M158V	Ø	LL.	က	Ľ	Ø	თ (	3 S2761	10.755	ო	တ	V69L	ო	က	ဟ	ო	ო						
390 186T>C	418 214G>T	423 219G>A	612 408C>G	676 472A>G	676 472A>G	813 609C>T	1031 827delC	1039 835C>A	160 (-203)-(- 199)delTTTTT	_		30 2025G>A 34 1127C>T		1765 1728T>C	183 171C>T	217 205G>T			425 195C>T	784 554C>G	838 608C>T			-	••••		
			Catechol-O-6				methyltransferase Catechol-O- 10:					Cyclooxygenase 1 COX1 2030 Human franscohalamin II 1164		Human transcobalamin II 176 (TCII) mRNA, complete		Cyclophilin B 21				Vacuolar H+ ATPase 78		·	18 21 .aqua 22 .		2000 2000 2000 2000 2000 2000 2000 200		
GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN- Human 39P peptide cle (ANP C-re			GEN-2 Cyclooxyg	•	GEN- Human tr 3AX (TCII) rr	GEN-10	GEN-10	GEN-10		GEN-FP Vacur	GEN-FP Vacue	GEN-FP Vacuo						
116790	116790	116790	116790 (	116790	116790 (	116790 (	116790	116790	108962	176805	176805	176805 275350		275350	-		_		108745 G	108745 G	108745 G					•	
M58525	M58525	M58525	M58525	M58525	M58525	M58525	M58525	M58525	M59305	M59979	M59979	M60396		M60396	M60857	M60857	M60857	M60857	M62762	M62762	M62762			,			
M58525	M58525	M58525	M58525	M58525	M58525	M58525	M58525	M58525	M59305	M59979	M59979	MOSS/8	!	TCN2	M60857	M60857	M60857	M60857	M62762	M62762	M62762			SD-144146.1			

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850 837G>A		1093 1080C>T	<b></b> .	- i	1249 1236C>T		٠.	3108 3108C>A		3715 3715G>A		76 2926A>G	398 398T>C		525 525A>T	620 620A>G		649 649A>G	692 692A>G		802 802G>A	1424 1424C>G			4 1514G>C		0.00	0 1550G>C	
86		10		;	15			31		37,		3076	ĕ		25	9		9	99		ဆ	142			1514		6	0001	
proton channel subunit Human alpha-2-	macroglobulin receptor- associated protein mRNA, complete cds	Human alpha-2-	macroglobulin receptor- associated protein mRNA,	complete cds	Human alpha-2-	associated protein mRNA.	complete cds	Human novel growth factor	receptor mRNA, 3 cds	Human novel growth factor	receptor mRNA, 3 cds	Glycine cleavage system:	Histamine receptor H2		Histamine receptor H2	Histamine receptor H2		Histamine receptor H2	Histamine receptor H2		Histamine receptor H2	Human cAMP-dependent	protein kinase regulatory	subunit KI-beta mKNA, 3	Human cAMP-dependent	protein kinase regulatory subunit RI-beta mRNA, 3	bing in the second	protein kinase regulatory	
GEN-3EI		GEN-3EI		1	GEN-3EI			GEN.	3EX	GEN-	3EX	GEN-FU	GEN-	4DN	GEN-	GEN	4DN	GEN-	GEN-	4DN	GEN-	GEN	3FK		GEN-	ж Ж	Ü	S F F F	
M63959 104225		104225			104225			134934		134934		238300	None		None	None		None	None		None	176911			176911		476044	160/	
M63959		M63959		000	M63959			M64347		M64347		M64590	M64799		M64799	M64799		M64799	M64799		M64799	M65066			M65066		MARDER	0000000	
LRPAP1		LRPAP1			LRPAP1			FGFR3		FGFR3		M64590	M64799		M64799	M64799		M64799	M64799		M64799	PRKAR1	ω		PRKAR1	Φ.	100,700	8	

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	1862 1862G>A	2139C>T	2039G>A	314C>T	927A>G	927A>G	1353T>A	1365G>A	1419G>A	686C>G	0.000	586C>G	737 713C>T	983C>T	385A>C	886C>T	891T>G	891T>G	1026A>T	1323G>A	1410C>T	1410C>T	1559A>G	2352A>G
	1862	2139	2105	384	266	266	1500	1512	1566	710	,	01/	737	1001	435	936	941	941	1076	1373	1460	1460		2379
subunit Rt-beta mRNA, 3	Human cAMP-dependent protein kinase regulatory subunit RI-beta mRNA, 3	Human cAMP-dependent protein kinase regulatory subunit RI-beta mRNA, 3	FSH receptor	Endothelin 2	Endothelin 2	Endothelin 2	Dopamine Receptor D5	Dopamine Receptor D5	Dopamine Receptor D5	Glycine cleavage system:	Protein H	Glycine cleavage system: Protein H	Glycine cleavage system: Protein H	Glycine cleavage system: Protein H	Monoamine oxidase A	Human steroid 5-alpha-								
	GEN- 3FK	GEN- 3FK	GEN-	GEN- CBS	GEN- CBS	GEN- CBS	GEN-4EI	GEN-4EI	GEN-4EI	GEN-FX	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	GEN-FX	GEN-FX	GEN-FX	GEN-3Z	GEN-3Z	GEN-3Z	<b>GEN-3Z</b>	GEN-3Z	GEN-3Z	GEN-3Z	GEN-3Z	GEN-3Z	GEN-
	176911	176911	136435	131241	131241	131241	126453	126453	126453	238330	000000	238330	238330	238330	309850	309850	309850	309850	309850	309850	309850	309850	309850	264600
	M65066 176911	M65066	M65085	M65199	M65199	M65199	M67439	M67439	M67439	M69175	37.4004.4	C/LAGIN	M69175	M69175	M69226	M74047								
	PRKAR1 B	PRKAR1 B	FSHR	EDN2	EDN2	EDN2	M67439	M67439	M67439	M69175	3450475	C / LAGINI	M69175	M69175	M69226	SRD5A2								

	ဗ		တ	L357V	ω	F124C	φ.	က	V218I	က	S	G16E	A17P	S	ဟ	ဟ	က	က		ო		
	339C>T			•	129C>T	371T>G	861G>C	1241 1180G>A	652G>A	1397 1353G>C	424 (-127)G>A	597 47G>A	599 49G>C	661 111T>C	492C>T	2005 1455A>G	2483C>T	2316 2307T>G		2428 2419A>C		
	339	,	756	1240	190	432	922	1241	969	1397	424	597	299	661	1042	2005	3033	2316		2428		
reductase 2 (SRD5A2)	H.sapiens pro-galanin	mRNA, 3 end	Thromboxane synthase	Thromboxane synthase	Serotonin 5-HT receptors 5-HT1D	Serotonin 5-HT receptors 5-HT1D	Serotonin 5-HT receptors 5-HT1D	Serotonin 5-HT receptors 5-HT1D	Tachylinins NK1 receptor	Tachylinins NK1 receptor	Glutamate decarboxylase 1 (brain, 67kD)	Glutamate decarboxylase 1 (brain, 67kD)	Glutamate decarboxylase 1 (brain, 67kD)	Glutamate decarboxylase	Glutamate decarboxylase 1 (brain, 67kD)	Glutamate decarboxylase	Glutamate decarboxylase 1 (brain, 67kD)	Human N-benzoyl-L- tyrosyl-p-amino-benzoic	acid hydrolase alpha subunit (PPH alpha) mRNA, complete cds	Human N-benzoyl-L-	subunit (PPH alpha	
CDC	GEN-	3PM	GEN-40	GEN-40	GEN- 3VZ	GEN- 3VZ	GEN- 3VZ	GEN-	GEN- 3W8	GEN- 3W8	GEN-42	GEN-42	GEN-42	GEN-42	GEN-42	GEN-42	GEN-42	GEN- 3XC		GEN-	) K	
	M77140 137035		274180	274180	182131	182131	182131	182131	162323	162323	266100	266100	266100	266100	266100	266100	266100	600388		600388		
	M77140		M80646	M80646	M81590	M81590	M81590	M81590	M81797	M81797	M81883	M81883	M81883	M81883	M81883	M81883	M81883	M82962		M82962 600388		
	GALN		M80646	M80646	M81590	M81590	M81590	M81590	TAC1R	TAC1R	M81883	M81883	M81883	M81883	M81883	M81883	M81883	M82962		M82962		

v	Ø	D398N	K374T	က	က	ဇ	ო	ო	က	က	T430M	S6P	G45R	ဟ	S	တ	ဟ	က	က
1222 1104C>T	1468 1350G>A	1340 1192G>A	1121 1121A>C	2045 1710A>C	1653 1569T>A	2599 2515C>G	2619 2535A>C	2656 2572A>C	2745 2661C>T	2761 2677A>C	1369 1289C>T	296 16T>C	413 133G>A	853 573T>C	853 573T>C	1342 1062A>G	1342 1062A>G	1430 1150T>G	1446 1166C>A
mRNA, complete cds Human neuroendocrine/beta-cell- type calcium channel alpha-1 subunit mRNA,	Complete cus Human neuroendocrine/beta-cell- type calcium channel alpha-1 subunit mRNA,	complete cas Nicotinic, Cholinergic receptor alpha 5	Neuropeptide Y1	Human TGF-beta type II receptor mRNA, complete	cds Human phospholipase A2	mKNA, complete cds Human phospholipase A2	Human phospholipase A2	Human phospholipase A2	Human phospholipase A2	Human phospholipase A2	Gamma-aminobutyric acid (GABA) A receptor	Anglotensin receptor AT1	Anglotensin receptor AT1	Angiotensin receptor AT1	Anglotensin receptor AT1	Angiotensin receptor AT1	Angiotensin receptor AT1	Angiotensin receptor AT1	Angiotensin receptor AT1
GEN- 3Y7	GEN- 3Y7	GEN-	GEN-46	GEN- 3ZS	GEN-	04.04 V - V - V - V - V - V - V - V - V - V -	GEN-	GEN-	GEN-	20 H 20 H 20 H 20 H 20 H 20 H 20 H 20 H	GEN- 4FS	GEN-19	<b>GEN-19</b>	<b>GEN-19</b>	GEN-19	GEN-19	GEN-19	GEN-19	GEN-19
114206	114206	118505	162641	190182	601288	601288	601288	601288	601288	601288	137162	106165	106165	106165	106165	106165	106165	106165	106165
M83566 114206	M83566	M83712	M84755	M85079	M86400	M86400	M86400	M86400	M86400	M86400	M86868	M87290							
M83566	M83566	CHRNA5	M84755	TGFBR2	YWHAZ	YWHAZ	YWHAZ	YWHAZ	YWHAZ	YWHAZ	GABRR2	M87290							

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1446 1166C>A		1453 1173A>G	1677 1397G>A	1797 1517G>T	1885 1605C>T	1916 1636T>C	2158 1878A>G	1614 1471T>C	2159 2062G>C	2186 2089-	2094ATATTA	2186 2089-		2230 2133A>G	2339 2242T>C	2409 2312G>A	2726 2629C>T	2983 2886C>T	3846 3846C>T	5505 5505G>A		6582 6582A>G	6613 6613G>C	6614 6614G>C	136 (-38)G>T		5226 5121G>A		838 786T>C	
Anajotensin receptor AT1	Angiotensin receptor AT1		_	Angiotensin receptor AT1								Cyclooxygenase 2 COX2		Cyclooxygenase 2 COX2						splice) L-Type Ca Channel alpha1c (alt.		Ca Channel alpha1c (alt. (		splice) L-Type Ca Channel alpha1c (alt	Human activin type II	receptor mKNA, complete	Human voltage-gated	sodium channel mRNA,	complete cds Interleukin 8 receptor	
<b>GEN-19</b>	GEN-19	GEN-19	<b>GEN-19</b>	<b>GEN-19</b>	<b>GEN-19</b>	<b>GEN-19</b>	<b>GEN-19</b>	GEN-	GEN-18	GEN-1A		GEN-1A		GEN-1A	GEN-1A	GEN-1A	GEN-1A	GEN-1A	GEN-SV	GEN-SV		GEN-SV	GEN-SV	GEN-SV		483	GEN-493		GEN-	
106165	106165	106165	106165	106165	106165	106165	106165	None	600262	600262		600262		600262	600262	600262	600262	600262	114205	114205		114205	114205	114205	102581		601219		146928	
M87290	M87290	M87290	M87290	M87290	M87290	M87290	M87290	M89473	M90100	M90100		M90100		M90100	M90100	M90100	M90100	M90100	M92269	M92269		M92269	M92269	M92269	M93415		M94055		M94582	
M87290	M87290	M87290	M87290	M87290	M87290	M87290	M87290	M89473	M90100	M90100		M90100		M90100	M90100	M90100	M90100	M90100	M92269	M92269		M92269	M92269	M92269	M93415		M94055		IL8RB	

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÷	1210C>T	1442A>G	732C>T	1747 1677G>T	1900 1830T>C	1900 1830T>C	1912 1842G>A	1925C>G	157 158C>A	2163G>A	438C>G	1520G>A	3316A>C 3463A>G 780C>A
	1262	1494	802	1747	1900	1900	1912	1995	157	2193	438	1521	3377 3524 780
	Interleukin 8 receptor	Interleukin 8 receptor	Homo sapiens folypolyglutamate synthetase mRNA,	Homosapiens folypolyglutamate synthetase mRNA,	Complete cas Homo saplens folypolyglutamate synthetase mRNA,	Homo saplens Homo saplens folypolyglutamate synthetase mRNA,	Complete cos Homo sapiens folylpolyglutamate synthetase mRNA,	Complete cos Homo sapiens folylpolyglutamate synthetase mRNA,	prostaglandin D2 synthase	D10S102=FBRNP [human, fetal brain mPNA 2013 pt1	Gamma-aminobutyric acid	pltuitary adenylate cyclase activating polypeptide	Inuman, mkny, 1940 nij Interleukin 10 receptor Interleukin 10 receptor Human glucagon-like
	49G GEN-	GEN-	GEN- 403-	GEN- 4C3	GEN- 4C3	GEN- 4C3	GEN- 4C3	GEN- 4C3	GEN-SW	GEN-		GEN- 3YA	GEN-4A GEN-4A GEN-V3
	146928	146928	136510	136510	136510	136510	136510	136510	176803	601233	600232	102980	146933 146933 138032
	M94582	M94582	M98045	M98045	M98045	M98045	M98045	M98045	M98539	S63912	S77553	S83513	U00672 U00672 U01157
	IL8RB	IL8RB	M98045	M98045	M98045	M98045	M98045	M98045	M98539	S63912	GABRB2	ADCYAP	U00672 U00672 GLP1R

	G316A	တ	G215E	S793A	C564R	Ø	ო	ო	S70N	<b>ω</b>	σ	Ø
	947 947G>C	1200 1200C>A	752 644G>A	7 2377T>G	1798 1690T>C	1881 1773G>A	4691 4583T>G	2084A>G	4 209G>A	3 573C>T	1613 1458C>T	1643 1488G>C
	94	120	75	2377	179	188	469	2120	364	728	1613	1643
peptide-1 receptor mRNA with CA dinucleotide	Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide rents of the complete constant of the complete constant of the constant of th	Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide	repeat, complete cds Human clone ndf43 neu differentiation factor mRNA, complete cds	Calcium-activated	Human rollpram-sensitive 35-cyclic AMP phosphodiesterase mRNA,	Human rollpram-sensitive 3,5-cyclic AMP phosphodiesterase mRNA, complete cds.	Human rollpram-sensitive 3,5-cyclic AMP phosphodiesterase mRNA,	Human micro 70 protein (stch) mRNA.	Human receptor tyrosine kinase TrkC (NTRK3) mRNA, complete cds	Human receptor tyrosine kinase TrkC (NTRK3) mRNA complete cds	Human receptor tyrosine kinase TrkC (NTRK3) mRNA, complete cds	Human receptor tyrosine
	GEN-V3	GEN-V3	GEN-PE	GEN-XA	GEN-XU	GEN-XU	GEN-XU	GEN-	GEN- 16V	GEN- 16V	GEN- 16V	GEN.
	U01157 138032	138032	U02326 142445	600150	600129	U02882 600129	600129	601100	191316	191316	191316	191316
	U01157	U01157	U02326	U02632	U02882	U02882	U02882	U04735	U05012 191316	U05012	U05012	U05012 191316
	GLP1R	GLP1R	U02326	SLO	U02882	U02882	U02882	U04735	NTRK3	NTRK3	NTRK3	NTRK3

	တ	S87C	w	Ø	ω	M151V	H170R	L172Q	w	w	v	1310S	ဗ
	15C>T	259A>T	327C>T	342T>C	464 441G>A	451A>G	509A>G	515T>A	666T>C	783G>A	849G>T	929T>G	997G>A
	38	282	350	365	464	474	532	538	689	806	872	952	1020
kinase TrkC (NTRK3)	mKNA, complete cds Human dihydrodiol dehydrogenase mRNA,	complete cds Human dihydrodiol dehydrogenase mRNA,	complete cds Human dihydrodiol dehydrogenase mRNA,	Human dihydrodiol dehydrogenase mRNA,	Human dinydrodiol dehydrogenase mRNA,	Human dihydrodiol dehydrogenase mRNA,	Human dihydrodiol dehydrogenase mRNA,	Human dihydrodiol dehydrogenase mRNA, complete cds	Human dihydrodiol dehydrogenase mRNA,	Human dihydrodiol dehydrogenase mRNA, complete cds			
16V	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184
	600450	600450	600450	600450	600450	600450	600450	600450	600450	600450	600450	600450	600450
	U05598	005598	U05598	U05598	U05598	U05598	U05598	U05598	U05598	U05598	U05598	U05598	U05598
	DDH1	DDH1	DDH1	DDH1	рон1	DDH1	DDH1	DDH1	DDH1	DDH1	DDH1	DDH1	DDH1

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1035 1012G>A	1089C>T	1399C>G	1439T>C	1763G>A	885G>A	1002A>G	1440G>A	1617G>A	1746G>T	1791G>A	2179A>G	519C>T	1617 1452T>C	1430 1275A>G	4313T>C	4516G>T	·
1035	1112	2047	2087	2008	982	1099	1537	1714	1856	1901	2289	684	1617	1430	4468	4671	
Human dihydrodiol	conydogenese minery, complete cds Human dihydrodiol dehydrogenase mRNA,	complete cds Human clone pSK1 interferon gamma.receptor accessory factor-1 (AE-1)	mRNA, complete cds Human clone pSK1	accessory factor-1 (AF-1) mRNA, complete cds P2Y2 purinoceptor	Inwardly rectifying	potassium channel Inwardly rectifying	Inwardly rectifying	Inwardly rectifying	potassium channel Human amphiphysin	mRNA, complete cds Human amphiphysin	mKNA, complete cds Human amphiphysin	mKNA, complete cds Human glutamate transporter mRNA,	Human glutamate transporter mRNA,	Glutamate Aspartate	Glutamate Aspartate	Glutamate Aspartate	
GEN-184	GEN-184	GEN-18J	GEN-18J	GEN-	GEN-	GEN-	GEN-	GEZ F	GEN-	GEN- F	GEN GEN F	GEN- CBZ	GEN- CBZ	GEN-	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	GEN-	
600450	600450	147569	147569	600041	600504	600504	600504	600504	600418	600418	600418	133550	133550	138253	138253	138253	
U05598	U05598	U05875	U05875	U07225	U07364	U07364	U07364	U07364	U07616	U07616	U07616	008989	008989	U09002	U09002	U09002	_
DDH1	DDH1	U05875	U05875	U07225	U07364	U07364	U07364	U07364	АМРН	AMPH	AMPH	008989	008989	009002	009002	009002	SD-144146.1

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	5407delC	5610C>T	927A>G		1567 1125C>G		1638G>T		1757G>A		2349 1907G>T		120 120T>C			473 473G>A			550C>T			668C>T		1059 1059T>C			1289 1289C>A
	5562	5765	1369		1567		2080		2199		2349		120			473			550			999		1059	) ) )		1289
receptor NMDA 2A	Glutamate Aspartate	Glutamate Aspartate	receptor NMDA 2A Human vesicular	acetylcholine transporter mRNA_complete_cds	Human vesicular	acetylcholine transporter mRNA, complete cds	Human vesicular	acetylcholine transporter mRNA, complete cds	Human vesicular	acetylcholine transporter mRNA, complete cds	Human vesicular	acetylcholine transporter	Est and the Company	methylenetetrahydrofolate	spo	Human	methylenetetrahydrofolate	reductase Hirring, partial	Human	methylenetetrahydrofolate reductase mRNA, partial	spo	Human	mernyienetetranydrotolate reductase mRNA, partial	Spo	methylenetetrahydrofolate	spo . Coccaso management	Human
168	GEN-	GEN-	GEN-	4F3	GEN	4F3	GEN-	4F3	GEN-	4F3	GEN-	4F3	GEN.	4FZ		GEN-	4FZ		GEN-	4FZ	•	GEN-	474	, NH NH	4FZ		GEN
	138253	138253	600336		600336		600336		600336		600336		None			None			None			None		N and and			None
	009002	U09002	U09210		U09210		U09210		U09210		U09210		008800			009800			009806			908600		1,09806			008600
	U09002	009002	SLC18A3		SLC18A3		SLC18A3		SLC18A3		SLC18A3		008800			908600			009800			008800		1,09806	,		908600

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1308 1308T>C	921 921T>C	338 13C>A	1272G>A	450 72C>G	951C>T	2132A>C	2311C>T	2563T>G		743G>A 2706C>T	633T>G	795T>C
1306	921	338	1597	450	1329	2356	2535	2563	263	883 3391	642	804
methylenetetrahydrofolate reductase mRNA, partial cds Human methylenetetrahydrofolate reductase mRNA, partial	cds Human delta opiate receptor mRNA, complete	cds Cardiac inward rectifier potassium channel (HH-	Cardiac inward rectifier potassium channel (HH-	HK1) Human MAP kinase activated protein kinase 2	mRNA, complete cds Human MAP kinase activated protein kinase	mknA, complete cds Human cysteine protease CPP32 isoform alpha	mRNA, complete cds Human cystelne protease CPP32 isoform alpha	Glutamate Aspartato	Angiotensin receptor AT2	Angiotensin receptor AT2 Human neuronal nitric	oxide synthase (NOS1) mRNA, complete cds Human 3,5-cyclic AMP phosphodiesterase HPDE4A6 mRNA	complete cds Human 3,5-cyclic AMP phosphodiesterase
4FZ GEN- 4FZ	GEN- 4F5	GEN-	GEN- 1MD	GEN-	GEN- 1MV	GEN-	GEN-	GEN-	GEN-1L	GEN-1L GEN-209	GEN-214	GEN-214
None .	165195	600681	600681	None	None	600636	600636	138245	300034	300034 163731	600126	600126
009800	U10504	U12507	U12507	U12779	U12779	U13737	U13737	U16125	U16957	U16957 U17327	U18087	U18087
009809	OPRD1	U12507	U12507	U12779	U12779	U13737	U13737	U16125	U16957	016957 NOS1	PDE4A	PDE4A

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E536A	F644L	P919S	က	ю	က	ω .	ເນ	R27H	R27H	Ø	ဟ	ဟ	ιL	က	က
1616 1607A>C	3 1932T>G	3 2755C>T	5503 5212A>G	t 5343A>G	t 5353A>G	231 75A>T	53 (-43)T>C	175 80G>A	175 80G>A	341 246C>G	791 696C>T	, 972G>A	2100 2005^2006ins	2487T>G	2582 2487T>G
161(	2223	3046	550	5634	5644	23.	32	175	175	341	791	1067	2100	2582	2582
HPDE4A6 mRNA, complete cds Human 3,5-cyclic AMP phosphodiesterase HPDE4A6 mRNA,	Homo sapiens neuronal apoptosis inhibitory protein	Homo sapiens neuronal apoptosis inhibitory protein	MKNA, complete cds Homo sapiens neuronal apoptosis inhibitory protein	Homo sapiens neuronal apoptosis inhibitory protein	Homo sapiens con plete cos Homo sapiens neuronal apoptosis inhibitory protein	MKNA, complete cds PROSTAGLANDIN E2 RECEPTOR, EP2	Folate Transporter	Folate Transporter	(SECTION) Folate Transporter (SLC19A1)	Folate Transporter (SLC19A1)	Folate Transporter	Folate Transporter	Folate Transporter	Folate Transporter (SL C1941)	Folate Transporter
U18087 600126 GEN-214	GEN-221	GEN-221	GEN-221	GEN-221	GEN-221	GEN-4	GEN-11	GEN-11	GEN-11	GEN-11	GEN-11	GEN-11	GEN-11	GEN-11	GEN-11
600126	600355	600355	600355	600355	600355	176804	600424	600424	600424	600424	600424	600424	600424	600424	600424
U18087	U19251	U19251	U19251	U19251	U19251	U19487 176804	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720
PDE4A	U19251	U19251	U19251	U19251	U19251	U19487	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720

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	2617 2522C>T	2522C>T	2557T>C	1136T>C	506 506T>G		335 335C>T	386 386T>C	1069 1069C>T			475C>T		1262G>T	2255C>T								936T>C	1458- 1460TAT>TA						
	2617	2617	2652	1297	506		335	386	1069	1412	1515	501	1270	1288	2841		411	1601	407	833	833	1184	1184	1706						
(SLC19A1)	Folate Transporter (SLC19A1)	Folate Transporter	(SEC19A1) Folate Transporter (SI 0.19A1)	Human platelet-activating factor acetylhydrolase	mRNA, complete cds Human mitochondrial	hydroxymethyltransferase gene, nuclear encoded mitochondrion protein,	Complete cus Glucocorticoid receptor alpha	Glucocorticoid receptor	Glucocorticoid receptor	Calcitonin Receptor	Calcitonín Receptor	Syntaxin 5A	Syntaxin 5A	Syntaxin 5A	Human pephBGT-1	petaine-GABA transporter mRNA, complete cds	syntaxin 3	syntaxin 3	Neuropeptide Y2		Transco		2.00 m	- i - <del>-</del>						
	GEN-11	GEN-11	GEN-11	GEN-234	GEN-		GEN-82	GEN-82	GEN-82	GEN-66	GEN-66	GEN-IC	GEN-IC	GEN-IC	GEN	S S S	GEN-IL	GEN-IL	GEN-1P	GEN-1P	GEN-1P	GEN-1P	GEN-1P	GEN-1P						
	U19720 600424	600424	600424	601690	138450		138040	138040	138040	114131	114131	603189	603189	603189	603080		600876	600876	162642	162642	162642	162642	162642	162642						
	U19720	U19720	U19720	U20157	U23143		U25029	U25029	U25029	U26553	U26553	U26648	<b>U26648</b>	<b>U26648</b>	U27699		U32315	U32315	U32500	U32500	<b>U32500</b>	<b>U32500</b>	U32500	U32500						
	U19720	U19720	U19720	U20157	U23143		U25029	U25029	U25029	U26553	U26553	U26648	U26648	U26648	U27699		U32315	U32315	U32500	U32500	U32500	U32500	U32500	U32500			SD-144146 1			

က	ŭ.	တ	E9Q	တ	F368C	D191G	A842T	w	w	V901I	A921G	ග	A926T
		927G>A	1 25G>C	430 421T>C	1112 1103T>G	572A>G	2524G>A	2565G>A	2713 2629C>T	2701G>A	2762C>G	2772C>T	2860 2776G>A
1706	2782	991	34	430	1112	656	2608	2649	2713	2785	2846	2856	2860
Neuropeptide Y2	Neuropeptide Y2	Human tryptophan oxygenase (TDO) mRNA,	Human lipid-activated, protein kinase PRK2	Human lipid-activated, protein kinase PRK2	Human lipid-activated, protein kinase PRK2	Human lipid-activated protein kinase PRK1	Human lipid activated protein kinase PRK1 mRNA, complete cds						
GEN-1P	GEN-1P	GEN- 2JH	GEN-2JL	GEN-2JL	GEN-2JL	GEN- 2JK							
U32500 162642	162642	191070	602549	602549	602549	601032	601032	601032	601032	601032	601032	601032	601032
U32500	U32500	U32989	U33052	U33052	U33052	U33053							
 U32500	U32500	U32989	U33052	U33052	U33052	U33053							

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2889 2805C>T	2895 2811C>T	2870C>T	1204G>A	69C>T	220 129C>T	129C>T	261C>T	261C>T	1437 1346C>T	1563C>G	1996G>A
2889	2895	2954	1386	160	220	220	352	352	1437	1654	2084
Human lipid-activated protein kinase PRK1 mRNA, complete cds	Human lipid-activated protein kinase PRK1 mRNA, complete cds	Human lipid-activated protein kinase PRK1 mRNA, complete cds	Two P-domain K+ channel TWIK-1 mRNA	Human seven trans- membrane domain protein (AD3LP/AD5) mRNA, complete cds	Human protein phosphatase 2A Balpha1						
GEN- 2JK	GEN- 2JK	GEN- 2JK	GEN-IN	GEN-2L2	GEN- 205						
601032	601032	601032	601745	600759	600759	600759	U34349 600759	600759	600759	600759	601645
U33053 601032	U33053	U33053	U33632	U34349	U37352						
U33053	U33053	U33053	U33632	PSEN2	PPP2R4						

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	499G>A	549T>C	654A>G	681C>T	71C>T	290 223C>T	473 406G>A	584C>G	148G>A		285 229A>C		258A>T	280C>T		632C>T	914C>A	· ()	1511 1455G>A	2321C>T	. 6	26/40>1	654T>C	690A>G	
	644	694	799	826	138	290	473	651	382	•	285		314	336	1	688	970		151	2377	1	7/30	661	697	
regulatory subunit mRNA, complete cds	Substance P beta-PPT-A	Substance P beta-PPT-A	Substance P beta-PPT-A	Substance P beta-PPT-A	Homo sapiens alpha SNAP mRNA, complete cds	Ното	Homo	mRNA, complete cds Homo sapiens alpha SNAP	mRNA, complete cds Human serotonin N-	acetyltransferase mRNA,	complete cds Steroid receptor	coactivator (SRC-1)	Steroid receptor	Sterold receptor	coactivator (SRC-1)	Steroid receptor	Steroid receptor	coactivator (SRC-1)	Steroid receptor coactivator (SRC-1)	Steroid receptor	coactivator (SRC-1)	Steroid receptor coactivator (SRC-1)	Nicotinic, Cholinergic	receptor alpha / Nicotinic, Cholinergic	receptor alpna /
	GEN- SOH-	GEN- 20H	GEN- 20H	GEN-	GEN- 205	GEN-	GEN-	GEP GEP GEP	205 GEN-	2RK	GEN-6W		GEN-6W	GEN-6W		GEN-6W	GEN-6W	i d	GEN-6W	GEN-6W	2	GEN-5W	GEN-40	GEN-40	
	U37529 162320	162320	162320	162320	None	None	None	None	600950		602691		602691	602691		602691	602691	7000	002091	602691	7000	189709	118511	118511	
	U37529	U37529	U37529	U37529	U39412	U39412	U39412	U39412	U40347		U40396		U40396	U40396		U40396	U40396	000	040395	U40396	000	040396	U40583	U40583	
	TAC2	TAC2	TAC2	TAC2	U39412	U39412	U39412	U39412	U40347		U40396		U40396	U40396		U40396	U40396	000	040396	U40396		040396	U40583	U40583	

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933G>A	1276_1269T>C	1783A>T	1785T>A	1372C>T		253A>G	326A>G	. H0004	0518201	1968G>C	1981A>C		2958C>T	٠. ـ	3057G>A		1228A>G		1408C>G		1523G>A	1631€>4		2090G>A		5171A>T	5174A>T		2187A>C
940	1276	1790	1792	1404		446	519	,	7771	2161	2174	· ·	3151		3250		1424		1604		1719	1827		2286		5369	5372		2915
Nicotinic, Cholinergic	receptor alpha 7 Nicotinic, Cholinergic	Nicotinic, Cholinergic	receptor alpha 7 Nicotinic, Cholinergic	receptor alpha 7	(CTF1) mRNA, complete	ĭ	r) mRNA, complete cds Human leptin receptor (Ob-		ruman repuir receptor (Co-	Ξ	r) mRNA, complete cds Human leptin recentor (Ob-		Ξ	r) mRNA, complete cds	Human leptin receptor (Ob-	r) mRNA, complete cds	Human P2x1 receptor	mRNA, complete cds	Human P2x1 receptor	mKNA, complete cds	Human P2x1 receptor	mriva, complete cds Himan P2x1 recentor	mRNA, complete cds	Human P2x1 receptor	mRNA, complete cds	CREB-binding protein	CREB-binding protein	(CBP)	Serotonin 5-HT receptors 5-HT2C
GEN-40	GEN-40	GEN-40	GEN-40	GFN-I FI		GEN-	SUN GEN-	2UN	SUN SUN	GEN-	SCN GEN-	2UN	GEN	SUN SUN	GEN	SCI	GEN-4FI	i :	GEN-4FI		GEN-4F	GEN-4FI		GEN-4FI		GEN-6X	GEN-6X		GEN-10
118511	118511	118511	118511	600435		601007	601007	50400		601007	601007		601007		601007	!	600845		600845		600845	600845		600845		600140	600140		312861
U40583	U40583	U40583	U40583	1143030		U43168	U43168	007671	245	<b>U43168</b>	U43168		U43168		U43168		U45448		U45448		045448	1145448		U45448		U47741	U47741		U49516
U40583	U40583	U40583	U40583	U43030		LEPR	LEPR	000	2	LEPR	LEPR		LEPR		LEPR		045448	1	U45448		U45448	1145448		U45448		U47741	U47741		U49516

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<b>6</b>	C6R	A31T	T151I	ဗ	Ø	D4920	ဗ	ო	က	က	e W	တ	Ø	so.		
2947 2219A>G	16T>C	91G>A	511 452C>T	1161 1102A>G	1510 1476C>T	2306A>G	1742C>G	1833C>T	1950G>T	1984G>A	639C>T	639C>T	678C>T	678C>T		
2947	75	150	511	1161	1510	2764	2296	2387	2504	2538	870	870	606	606		
Serotonin 5-HT receptors 5-HT2C	Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete	Human calmodulin dependent phosphodiesterase PDE1B1 mRNA, complete	p300/CBP-associated factor (P/CAE)	Nicotinic, Cholinergic	Nicotinic, Cholinergic receptor alpha 2	Nicotinic, Cholinergic	Nicotinic, Cholinergic	Nicotinic, Cholinergic recentor alpha 4	Nicotinic, Cholinergic	Nicotinic, Cholinergic	Nicotinic, Cholinergic	. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
GEN-10	GEN- 35Z	GEN- 352	GEN- 35Z	GEN- 35Z	GEN-379	GEN-6Y	GEN-	GEN	GEN-	GEN	GEN-4P	GEN-4P	GEN-4P	GEN-4P		
312861	None	None	None	None	171891	None	118502	118502	118502	118502	118504	118504	118504	118504		
U49516	U55206	U55206	U55206	U55206	U56976	U57317	U62431	U62431	U62431	U62431	U62433	U62433	U62433	U62433		
U49516	U55206	U55206	U55 <u>2</u> 06	U55206	U56976	U57317	CHRNA2	CHRNA2	CHRNA2	CHRNA2	U62433	U62433	U62433	U62433	SD-144146.1	

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 1440 1209T>G	1458 1227C>T	1860 1629C>T	1890 1659G>A	3356 3295G>C	3547 3486C>T	1248 1095C>T	1425 1272G>A	1205 1185C>A	251 204G>A	1625 1578A>C	1989 1811G>A	1996 1818C>T	2045 1867T>C	1775 1683C>T
			Nicotinic, Cholinergic 18											mRNA, complete cds Homo sapiens beta-3A- 17 adaptin subunit of the AP-3 complex mRNA, complete
GEN-4P	GEN-4P	GEN-4P	GEN-4P	GEN- 3CR	GEN- 3CR	GEN- 2TW	GEN- 2TW	GEN-	GEN-	GEN-	GEN-	GEN-	GEN- 3VO	GEN- 3VX a
 118504	118504	118504	118504	151300	151300	602623	602623	602062	None	None	602193	602193	602193	603401
U62433	U62433	U62433	U62433	U62768	U62768	U71321	U71321	U72661	U75283	U75283	U81375	U81375	U81375	U81504
U62433	U62433	U62433	U62433	U62768	U62768	U71321	U71321	U72661	U75283	U75283	U81375	U81375	U81375	U81504 :

	ဟ	S859I	ო	ဟ	V267G	ဟ	ဟ	Ø	ო	က	က	က	ო	P87T	G162W	L137R
	2108 2016T>C	2668 ·2576G>T	727A>G	1003 417A>T	800T>G	1344A>G	2299 1713A>G	744 744T>C	7712 7634T>G	7774A>G	7803G>A	7856T>C	515T>C			410T>G
	2108	2668	939	1003	1386	1930	2299	744	7712	7852	7881	7934	565	299	524	474
cqs	Homo sapiens beta-3A- adaptin subunit of the AP-3 complex mRNA, complete	Homo sapiens beta-3A- adaptin subunit of the AP-3 complex mRNA, complete	Homo sapiens CaM kinase Il isoform mRNA, complete cds	Ubiquitin protein ligase	Ubiquitin protein ligase	Ublquitin protein ligase E3A	Ublquitin protein ligase E3A	Homo saplens metabotropic glutamate receptor 8 (GRM8) mRNA, complete cds	Homo sapiens Notch3 (NOTCH3) mRNA, complete cds	Homo sapiens Notch3 (NOTCH3) mRNA,	Homo sapiens Notch3 (NOTCH3) mRNA,	Homo sapiens Notch3 (NOTCH3) mRNA, complete cds	Human messenger RNA for chorionic gonadotropin	Growth hormone 1	Growth hormone 1	Messenger RNA for human
	GEN- 3VX	GEN- 3VX	GEN- 3VW	GEN-83	GEN-83	GEN-83	GEN-83	GEN- 4FX	GEN- 4BU	GEN-	GEN- 4BU	GEN- 4BU	GEN-P4	GEN-40	GEN-40	GEN-TV
	U81504 603401	603401	602122	601623	601623	601623	601623	601116	600276	600276	600276	600276	118850	139250	139250	147640
	U81504	U81504	U81554	U84404	U84404	U84404	U84404	U95025	U97669	U97669	U97669	097669	V00518	V00519	V00519	V00546
	U81504	U81504	U81554	U84404	U84404	U84404	U84404	U95025	U97669	U97669	097669	097669	V00518	V00519	V00519	IFNB1

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	R40K	(	'n	u.		ო		တ			က	ო		D317N	č	716		14041	145M			T2641			ഗ		1	တ		u,	)		S391N			V119G	v.	)
	119 119G>A		5/0G>A	: 637delA		, 652G>A	·	1059G>T			125 (-28)C>T	550A>C		949G>A	1	. 29C>1		()()	1380>6			1632 791C>T			, 966C>T	,		1930 1089G>A		1942 1101C>T			2013 1172G>A			356T>G	390_30T>C	
	118	į	5/4	822		837		1059			125	614		1000	į	8		6	6/6			1632			1807		1	1930		1942	! }		2013			379	390	)
fibroblast interferon	Human messenger RNA for leukocyte (alpha-2)		Prolactin	corticotropin releasing	factor	corticotropin releasing	factor	Human beta-tubulin gene	(5-beta) with ten Alu family	. members	Tumor necrosis factor	Superoxide dismutase 1	(Cn/Zu)	Human gene for fibrinogen	gamma chain	Human mKNA tor	transforming growth factor-	Deta (167-beta)	HUMAN MKNA IO	transforming growth factor-	peta (Ter-peta)	Human mRNA for	transforming growth factor-	beta (TGF-beta)	Human mRNA for	transforming growth factor-	peta (TGF-beta)	Human mRNA for	transforming growth factor-	Human mRNA for	transforming growth factor-	beta (TGF-beta)	Human mRNA for	transforming growth factor-	beta (TGF-beta)	Human mRNA for	vasopressin precursor estrogen receptors	
	GEN-P2		GEN-4V	GEN-	CBO	GEN-	CBO	GEN	MST		GEN-4Y	<b>GEN-KM</b>		GEN-	SE SE	ととという		· X	CFIN-AR			GEN-XR			GEN-XR			GEN-XR		GEN-XR			<b>GEN-XR</b>	•		GEN-ZM	GEN-50	i
	V00548 147562	000	1/6/60	122560		122560		None			191160	147450		134850	0	190180			190180			190180			190180			190180		190180			190180			192340	133430	
	V00548		000000	V00571		V00571		X00734			X01394	X02317		X02415		X02812		2,000	71,8704			X02812			X02812			X02812		X02812			X02812			X03172	X03635	
	V00548		00000	V00571		V00571		X00734			X01394	X02317		X02415		X02812		2,000	XU2812			X02812			X02812			X02812		X02812			X02812			X03172	X03635	1

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390 30T>C	424 64G>C	617 257C>T	621 261G>C	829 469C>T	1335 975C>G	1335 975C>G	1451 1091T>A	1674 1314G>A	2142 1782A>G	2354 1994A>G	2550 2190A>C	2733 2373C>G	3181 2821T>C	3338 2978C>T	3652 3292-	3294CCT>CC T	3652 3292- 3294delCCT	3896 3536C>A	4378 4018T>C	6287 5927T>C	51 20C>A		291 260C>G	296 265G>C		62 (-13)C>G		455 381C>T		
estrogen receptors		estrogen receptors	estrogen receptors	estrogen receptors	estrogen receptors	UBIQUITIN CARBOXYL-	TERMINAL HYDROLASE ISOZYME L1	UBIQUITIN CARBOXYL- TERMINAL HYDROLASE	ISOZYME L1 UBIQUITIN CARBOXYL-	TERMINAL HYDROLASE ISOZYME L1	Human mRNA for cysteine	proteinase inhibitor precursor cystatin C	Human mRNA for cysteine	procentase innibitor																
<b>GEN-50</b>	<b>GEN-50</b>	<b>GEN-20</b>	<b>GEN-50</b>	<b>GEN-20</b>	<b>GEN-50</b>	<b>GEN-20</b>	<b>GEN-20</b>	<b>GEN-50</b>	<b>GEN-50</b>	<b>GEN-20</b>	<b>GEN-20</b>	<b>GEN-20</b>	GEN-50	<b>GEN-20</b>	<b>GEN-20</b>		GEN-50	GEN-50	GEN-50	<b>GEN-20</b>	GEN-KU		GEN-KU	GEN-KU		GEN-189		GEN-189		
133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430		133430	133430	133430	133430	191342		191342	191342		X05607 105150		105150		
X03635		X03635	X03635	X03635	X03635	X04741		X04741	X04741		X05607		X05607																	
X03635		X03635	X03635	X03635	X03635	X04741		X04741	X04741		CST3		CST3																	

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	476C>T	558A>C	573G>A	639C>T	672A>C	(-54)G>C	804G>A	1191T>C	1770C>T		-	253C>T	05000		275G>A		279G>A	582T>C	585T>A	646 633A>G
	550	632	647	713	746	83	940	1327	1906	3392	4145	266	27.0	7	288		292	595	598	646
The section of the section of the Alexander of the Section of the	Human mRNA for cysteine proteinase inhibitor	precursor cystatin.C Human mRNA for cystelne proteinase inhibitor.	precursor cystatin C Human mRNA for cysteine proteinase inhibitor	Precursor cystatin C Human mRNA for cysteine	proteinase inition precursor cystatin C Human mRNA for cysteine proteinase inhibitor	precursor cystatin C Protein kinase C, beta 1	Protein kinase C, beta 1	Protein kinase C, beta 1	Protein kinase C, beta 1	Growth hormone receptor	Growth hormone receptor	Human mRNA for	glutamate denydrogenase (EC 1.4.1.3., GDH) Himan mRNA for	glutamate dehydrogenase	(EC 1.4.1.3., GDH) Human mRNA for	glutamate dehydrogenase (EC 1.4,1.3., GDH)	Human mRNA for glutamate dehydrogenase	Human mRNA for glutamate dehydrogenase	Human mRNA for glutamate dehydrogenase	(EC 1.4.1.3., GDH) Human mRNA for
<i>:</i> • •	GEN-189	GEN-189	GEN-189	GEN-189	GEN-189	GEN-KY	<b>GEN-KY</b>	GEN-KY	GEN-KY	GEN-6D	GEN-6D	GEN	יי ש ש	1EC	GEN-	1EC	GEN- 1EC	GEN- 1EC	GEN-	GEN-
·	105150	105150	105150	105150	105150	176970	176970	176970	176970	600946	600946	138130	138130		138130		138130	138130	138130	138130
	X05607	X05607	X05607	X05607	X05607	X06318	X06318	X06318	X06318	X06562	X06562	X07674	X07674		X07674		X07674	X07674	X07674	X07674
a.	CST3	CST3	CST3	CST3	CST3	X06318	X06318	X06318	X06318	X06562	X06562	X07674	X07674		X07674		X07674	X07674	X07674	X07674

	1219V	S227N	Ø	w	A374V	S384T	Ø	M468L	u.	R496S	ω	G509A	R523H
	668 655A>G	693 680G>A	721 708C>T	859 846T>C	1134 1121C>T	1164 1151G>C	1255 1242C>T	1415 1402A>C	1427 1414G>T	1501 1488G>T	1528 1515C>T	1539 1526G>C	1581 1568G>A
glutamate dehydrogenase	Human mRNA for Human mRNA for glutamate dehydrogenase	Human mRNA for glutamate dehydrogenase	Human mRNA for Human mRNA for glutamate dehydrogenase	Human mRNA for Human mRNA for glutamate dehydrogenase						Human mRNA for 1 glutamate dehydrogenase			
1EC glutamat	GEN- 1EC glutamat	GEN- 1EC glutamat	GEN- 1EC glutamat	GEN- 1EC glutamat	GEN- 1EC glutamat	GEN- 1EC glutamat	GEN- 1EC glutamat	GEN- 1EC glutamat	GEN- 1EC glutamat	GEN- FEC glutamate	GEN- FEC glutamate	GEN- FEC glutamate	GEN- (E TEC glutamate (E
	138130	138130	138130	138130	138130	138130	138130	138130	138130	138130	138130	138130	138130
	X07674	X07674	X07674	X07674	X07674	X07674	X07674	X07674	X07674	X07674	X07674	X07674	X07674
	X07674	X07674	X07674	X07674	X07674	X07674	X07674	X07674	X07674	X07674	X07674	X07674	X07674

w	w	N551S	ო	ო	P14A	V16A	T65N	182T	Q172P	ω	W	E145Q	K186E	w
1633 1620T>C	1632G>A	1665 1652A>G	1717 1704T>A	1817G>A	44 40C>G	47T>C	194C>A	245T>C	515A>C	18G>T	441 405T>C	433G>C	556A>G	240A>G
1633	1645	1665	1717	1830	44	51	198	249	723	54	441	469	592	364
Human mRNA for glutamate dehydrogenase	Human mRNA for manganese superoxide dismutase (FC 115 11)	Human mRNA for manganese superoxide	Human mRNA for manganese superoxide	Human mRNA for manganese superoxide dismutase (FC 1.15.1.1)	Human rab2 mRNA, YPT1-related and member of ras	Human mRNA for preprokallikrein (EC 3.4.21)	Human mRNA for preprokallikrein (FC 3 4 21)	Human mRNA for oreprokallikrein (EC 3.4.21)	Human mRNA for preprokallikrein (EC 3 4 21)	Cytochrome P450, subfamily XIX (aromatization of				
GEN-	GEN- 1EC	GEN- 1EC	GEN- 1EC	GEN-	GEN- 1ES	GEN- 1ES	GEN-	GEN- 1ES	GEN-	GEN-	GEN-	GEN-	GEN	GEN-56
138130	138130	138130	138130	138130	147460	147460	147460	147460	179509	147910	147910	147910	147910	107910
X07674	X07674	X07674	X07674	X07674	X07834	X07834	X07834	X07834	X12953	X13561	X13561	X13561	X13561	X13589
X07674	X07674	X07674	X07674	X07674	SOD2	SOD2	SOD2	SOD2	X12953	X13561	X13561	X13561	X13561	X13589

R264C	R264C	ო	ო	R279K	Ф380Н	ட	17801	တ	တ	S	တ	,	е	w	
914 790C>T	914 790C>T	1655 1531C>T	1796 1672G>T	881 836G>A	1185 1140G>T	1302 1257^1258ins	2805 2339C>T	8608 8142G>A	8923 8457C>T	9034 8568G>T	9040 8574C>T	9391 8925T>C	3710 3666T>G	131 84C>T	
androgens) Cytochrome P450, subfamily XIX (aromatization of	androgens) Cytochrome P450, subfamily XIX (aromatization of			Human Intestinal mRNA for				Human mRNA for LDL-		receptor related protein Human mRNA for LDL-			receptor related protein Human mRNA for leukaemia inhibitory factor	(LIF/HILDA)  Human SP-40,40 mRNA  for complement-associated	protein SP-40,40 alpha-1
GEN-56	GEN-56	GEN-56	GEN-56	GEN-			8 ë 5	<u> </u>				S ES	101 GEN- 1PZ	GEN-	
107910	107910	107910	107910	107690	107690	107690	107770	107770	107770	107770	107770	107770	159540	185430	
X13589 107910	X13589	X13589	X13589	X13629	X13629	X13629	X13916	X13916	X13916	X13916	X13916	X13916	X13967	X14723 185430	
X13589	X13589	X13589	X13589	X13629	X13629	X13629	X13916	X13916	X13916	X13916	X13916	X13916	1. F	CLU	

V128F	ω	S396L	Y442F	က	ო	ო	ဟ	Ø	က	ဟ	M3411	<b>ω</b>
382G>T	789C>T	1234 1187C>T	1325A>T	1482 1435C>T	1548 1501C>T	1645 1598A>T	370 156C>T	1359C>T	1575T>C	1044G>A	1023G>C	1657 1614C>T
429	836	1234	1372	1482	1548	1645	370	1375	1591	1144	1066	1657
and beta-1 chain Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and heta-1 chain	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and heta-1 chain	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1	Gamma-aminobutyric acid (GABA) A receptor	Nicotinic, Cholinergic receptor beta 1	Nicotinic, Cholinergic receptor beta 1	Muscarinic receptor,	Human mRNA for natriuretic peptide receptor	(ANP-A receptor) Human mRNA for
GEN- 1SB	GEN- 1SB	GEN-	GEN- 1SB	GEN- 1SB	GEN- 1SB	GEN- 1SB	GEN-1X	GEN-	GEN-	GEN-	SEN Y	GEN
X14723 185430	185430	185430	185430	185430	185430	185430	137160	100710	100710	None	108960	108960
X14723	X14723	X14723	X14723	X14723	X14723	X14723	X14766	X14830	X14830	X15263	X15357	X15357
CLU	CLU	CLU	CLU	CLU	CLU	CLU	X14766	CHRNB1	CHRNB1	X15263	X15357	X15357

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	2816G>A	2940G>A	3216delC	3546^3547ins GAAA	13A>G	133 133G>A	163G>A	183C>T	1692 1476C>T	2067 1851C>G	2509T>C	2639C>A	2772G>A	3018C>T	3409A>G	3667C>T	3837A>G	588 423G>A
	2859	2983	3259	3589	13	133	163	399	1692	2067	2725	2855	2988	3234	3625	3883	4053	588
natriuretic peptide receptor (ANP-A receptor)	Human mRNA for natriuretic peptide receptor	Human mRNA for G(M2)	Human mRNA for G(M2)	Human mRNA for G(M2)	Human fur mRNA for furin	Dopamine Receptor D2												
ΚUV	SEN-	GEN.	GEN- KUV	GEN- KUV	GEN	SER SER		GEN F	GEN-	GEN	GEN-							
	X15357 .108960	108960	108960	108960	272750	272750	272750	136950	136950	136950	136950	136950	136950	136950	136950	136950	136950	126450
	X15357	X15357	X15357	X15357	X16087	X16087	X16087	X17094	X51362									
	X15357	X15357	X15357	X15357	X16087	X16087	X16087	PACE	X51362									

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	1104 939C>T	957T>C	1248 1083A>G	1323T>C	1548 1383A>G	2196C>T	2285 2222G>A	159T>G		1262 1152G>A	1649 1539C>G	1700 1590C>T	1742 1632C>T	1707 1687C\T		1914 1804G>C	2040 1930C>T	204T>G	1181C>T		1520 1224C>T
	1104	1122	1248	1488	1548	2361	2285	276		1262	1649	1700	1742	1707	6	1914	2040	591	1477		1520
	Dopamine Receptor D2	STEROID HORMONE RECEPTOR FRR1	Human mRNA for	(FGF) receptor	Endothelin 3	Endothelin 3	Endothelin 3	Endothelin 3			Endothelin 3	Endothelin 3	Glycine receptor alpha2	H.sapiens alpha-1	strychnine binding subunit of inhibitory glycine receptor mRNA	H.saplens alpha-1 strychnine binding subunit of inhibitory glycine receptor mRNA					
31W	GEN- 31W	GEN- 31W	GEN-	GEN- 31W	GEN- 31W	GEN- 31W	GEN-57	GEN-	3 .	GEN-	GEN	GEN-	33E GEN-	33E	33E	GEN-	GEN-	<b>GEN-22</b>	GEN-4FJ		GEN-4FJ
	X51362 126450	126450	126450	126450	126450	126450	601998	136350		X52001 131242	131242	131242	131242	404040	747161	131242	131242	305990	138491		X52009 138491
	X51362	X51362	X51362	X51362	X51362	X51362	X51416	X51803 136350		X52001	X52001	X52001	X52001 131242	VE2004 421242	735001	X52001	X52001	X52008	X52009		X52009
	X51362	X51362	X51362	X51362	X51362	X51362	X51416	FGFR1		EDN3	EDN3	EDN3	EDN3		Sign	EDN3	EDN3	X52008	GLRA1		GLRA1

D294A	တ	တ		က		က		c	o cr	)		က			D71G		ဟ	တ					Ø		က		V10I			တ		•	w
908 881A>C	832 663G>A	849 795A>G		1337 1283C>T		6 1362G>A		4 1660G>A				3 2724A>T		٠	212 212A>G		552 552C>T	168 90G>A					9 2448T>C		1234 1213C>A		83 28G>A			217 162T>G			432 60C>A
6	83	8		133		1416		1744	338	3		2903			2		22	16					2549		123		ω			21		,	43
Protein kinase C, alpha	Human mRNA for beta	Human mRNA for brain	pyruvate ueriyurogenase (EC 1.2.4.1)	Human mRNA for brain	pyruvate dehydrogenase (EC 1.2.4.1)	Human mRNA for brain	pyruvate dehydrogenase	Retinoid X recentor alpha	Himan hek mBNA for	fibroblast growth factor	receptor-BEK	Human bek mRNA for	fibroblast growth factor	receptor-BEK	Nicotinic, Cholinergic	receptor alpha 3	Nicotinic, Cholinergic	Phosphoribosylglyclnamide formultaneforase	phosphoribosylalycinamide	osciotivo.	, syllillerase,	pnospnoribosylaminoimida	zole synthetase Human mRNA for N-	cadherin	Human Ser-PyrAT mRNA	for senne-pyruvate	Human FGFR-4 mRNA for	fibroblast growth factor	receptor (FGFR-4)	Human FGFR-4 mRNA for	fibroblast growth factor	receptor (FGFR-4)	H.sapiens mKNA for HS1
GEN-LM	GEN-	8 H S	100	GEN	33⊁	GEN-	337	GEN.74	GEN-341			GEN-341			<b>GEN-34</b> I	-	GEN-341	GEN-LS					GEN-351		GEN-	202	GEN-	37M		GEN-	37M	į	SE 2
176960	162030	312170		312170		312170		180245	176943			176943			118503		118503	138440					114020		259900		134935			134935		0000	601289
X52479	X52599	X52709		X52709		X52709		X52773	X52832			X52832			X53559		X53559	X54199					X54315		X56092		X57205			X57205			X5/346 601289
X52479	NGFB	PDHA1		PDHA1		PDHA1		X52773	FGFR2		,	FGFR2			CHRNA3		CHRNA3	X54199					X54315		AGXT		FGFR4			FGFR4			YWHAB

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	1135 763T>C	1152C>T	1177C>T			941T>G			229 (-48)A>G		90G>A	474 198G>A	1263G>A	(-43)G>C	195T>C	1127 1018C>T		2048 1939G>A	2585C>G		855C>T		96A>C		1372 1265A>G		1501 1394G>A								
	1135	1317	1342		747	987			229		366	474	1539	67	304	1127		2048	2694		855	ć	203	,	1372		1501								
protein	H.saplens mRNA for HS1	protein H.sapiens mRNA (clone	9112) H.sapiens mRNA (clone	9112)	Serotonin 5-H l Z receptor	Human mRNA for	corticotropin-releasing	factor binding protein (CRF-BP)	D1 dopaminergic receptor	•	D1 dopaminergic receptor	D1 dopaminergic receptor	D1 dopaminergic receptor	Glutamate-ammonia ligase	(glutamine synthase) Glutamate-ammonia ligase	(glutamine synthase) Glutamate-ammonia ligase	(glutamine synthase)	Glutamate-ammonia ligase	(glutamine synthase) Glutamate-ammonia ligase	(glutamine synthase)	H.sapiens mRNA for neural	cell adhesion molecule L1	Adrenergic receptor (Beta kinase 1-phosphorylates	beta adrenergic receptor)	Adrenergic receptor (Beta	beta adrenergic receptor )	Adrenergic receptor (Beta kinase 1-phosphorylates	beta adrenergic receptor)		erio		 		•	
37R	GEN-	GEN-	37S GEN-	378	SES-12	GEN	38K		GEN-	4EH	GEN-	GEN- FH 4	GEN-	GEN-M4	GEN-M4	GEN-M4		GEN-M4	GEN-M4		GEN-	3A5	GEN-23		GEN-23		GEN-23		 			 •		••	
	601289	601290	601290		182135	122559			126449	:	126449	126449	126449	138290	138290	138290		138290	138290		308840	0000	109635		109635		109635								
	X57346	X57348	X57348		X5/830	X58022			X58987		X58987	X58987	X58987	X59834	X59834	X59834		X59834	X59834		X59847	1	X6115/		X61157		X61157 109635								
	YWHAB	X57348	X57348		X5/830	CRHBP		- •	DRD1		DRD1	DRD1	DRD1	X59834	X59834	X59834		X59834	X59834		X59847		X6115/		X61157		X61157				SD-144146.1		,		

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1766 1659C>T	1716T>C	2869G>A	2568C>A	1152T>C	3681A>C	44G>A	116 109A>C	254G>A	2335G>A	2225G>T	2322A>G	2353G>T	1182T>C	1609G>A	190T>C	991C>A	
1766	1823	2976	2593	1331	4048	5	116	261	2632	2236	2333	2364	1182	1609	315	1247	
 Adrenergic receptor (Beta kinase 1-phosphorylates	beta adrenergic receptor ) Adrenergic receptor (Beta kinase 1-phosphorylates	Adrenergic receptor ) Adrenergic receptor (Beta kinase 1-phosphorylates	DNAJ PROTEIN HOMOLOG HS.11	MHC class 1 promoter	Oxytocin receptor	INTERLEUKIN 1 BETA CONVERTASE	INTERLEUKIN 1 BETA CONVERTASE PRECURSOR	INTERLEUKIN 1 BETA CONVERTASE PRECIESOR	H.saplens tor mRNA	Nicotinic, Cholinergic receptor epsilon	Nicotinic, Cholinergic receptor epsilon	Nicotinic, Cholinergic receptor epsilon	BETA-ADRENERGIC RECEPTOR KINASE 2	BETA-ADRENERGIC RECEPTOR KINASE 2	beta-3-adrenergic receptor	ATPase, H+ transporting,	•
GEN-23	GEN-23	GEN-23	GEN-MD	GEN-75	<b>GEN-24</b>	GEN-6G	GEN-6G	GEN-6G	GEN-	GEN-5D	GEN-5D	GEN-5D	GEN-5G	GEN-5G	GEN-	GEN-MX	
109635	109635	109635	604139	180246	167055	147678	147678	147678	191315	100725	100725	100725	109636	109636	109691	108746	
. X61157	X61157	X61157	X63368	X63522	X64878	X65019	X65019	X65019	X66397	X66403	X66403	X66403	X69117	X69117	X70811	X71490	
X61157	X61157	X61157	X63368	X63522	X64878	X65019	X65019	X65019	NTRK1	X66403	X66403	X66403	X69117	X69117	X70811	X71490	

	က		w	ဟ	18080	1000	G688S	D705G	(	n	ဟ		<b>H833G</b>	Ø	Ċ	ກ	က		ဟ	L351V	u	)	V455M	က		ო		
	1555 1299C>A		1155C>T	1278C>T			2062G>A	2114A>G		<b>23381&gt;</b> C	2757A>G		2/8/2	2826C>T		3408120	3490G>A		390T>C	1051T>G	1125C>T		1363G>A	1904T>C		2464T>C		
	1555		1380	1503	2048	2	2287	2339	0	7007	2982		3022	3051	0	3093	3715		330	1051	1125		1363	1915		2475		
lysosomal (vacuolar proton	pump) 31kD ATPase, H+ transporting,	lysosomal (vacuolar proton	H.saplens mRNA for nitric	oxide synthase H.sapiens mRNA for nitric	oxide synthase		H.saplens mRNA for nitric	H.saplens mRNA for nitric		n.sapiens mkina for nitric oxide synthase	H.sapiens mRNA for nitric		n.sapiens mikiny jor nitric	H.sapiens mRNA for nitric		n.sapiens many 100 nitric	H. sapiens mRNA for nitric	oxide synthase	Prolyl Endopeptidase	Prolyl Endopeptidase	Prolyl Endopentidase		Prolyl Endopeptidase	H.sapiens HIVR mRNA for	vasoactive intestinal	H.sapiens HIVR mRNA for	vasoactive intestinal	peptide (VIP) receptor
	GEN-MX		GEN-	3LW GEN-	3LW GFN-	3LW	GER-	GEN-	3LW	± ≥ ≥ ≥	GEN-	3LW	ביים פרולים פרולים	GEN-	3LW	בול פרולים פרולים	GEN-	3LW	GEN.	GEN	SNS GEN-	388	GEN-	GEN-	3NC	GEN-	3NC	
	X71490 108746		163730	163730	163730	3	163730	163730	7	0001001	163730	169720	06/601	163730	100700	00/00/	163730		600400	600400	600400		600400	192321		192321		
	X71490		X73029	X73029	X73029		X73029	X73029	712000	N 3028	X73029	00057X	V/ 3028	X73029	72000	V/ 3023	X73029		X74496	X74496	X74496		X74496	X75299		X75299		
	X71490		NOS2A	NOS2A	ACSON ACSON		NOS2A	NOS2A	\$000T4	4750N	NOSZA	VCSCN	47001	NOS2A	V C C C I	2002	NOS2A	1	PREP	PREP	PREP	ļ	PREP	X75299		X75299		

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30 (-68)C>G	2010 1913A>G	2101 2004C>T	46 (-30)G>A		948A>G	1143 1068C>T		191 46A>C	0.07		822G>A	T. C. 200. 1	1200001 1001	2109A>T		2294C>T	.0	390A>G	2387T>C		2004A>C	548C>T	351G>A		392A>G	510C>T	
တ္တ	2010	2101	46		1023	1143		191	010	717	196	4634	20.	2254		2439	Š	481	2478	0	2022	575	528		569	687	
H.sapiens trkB mRNA for	protein-tyrosine kinase H.sapiens trkB mRNA for	protein-tyrosine kinase H.saplens trkB mRNA for	protein-tyrosine kinase ATPase, H+ transporting,	lysosomal (vacuolar proton pump) 31kD	ATPase, H+ transporting,	ATPase H+ transporting	lysosomal (vacuolar proton	pump) 31kD H.sapiens mRNA for	lysosomal acid lipase	Ivsosomal acid libase	H.sapiens mRNA for	lysosomal acid lipase	io Annual Inspection of the second points and second points and second s	H.sapiens mRNA for	lysosomal acid lipase	H.sapiens mRNA for	lysosomal acid lipase	H.sapiens NMB MKNA	H.sapiens NMB mRNA		n.sapiens NMB mKNA	H.sapiens Mpv17 mRNA	H.sapiens mRNA for ORL1	receptor	H.sapiens mRNA for ORL1	receptor H.sapiens mRNA for ORL1	receptor
GEN-	GEN S	30E GEN-	30E GEN-N6		GEN-N6	GEN-NB		GEN-	3P2	3P2	GEN	3P2	ביוקר סקר	GEN-	3P2	GEN-	3P2	SEN-	GEN-	3P5	3P.5	GEN-	3P6 GEN-	AHN	GEN	GEN-	4 NT N
600456	600456	600456	108746		108746	108746		278000	078000	2000	278000	000826	77 0000	278000		278000	0700	162340	162340	7	102340	600945	602548		602548	602548	
X75958	X75958	X75958	X76228		X76228	X76228		X76488	X76488		X76488	V76/89	7/0400	X76488		X76488	70101	X/6534	X76534	7000	7/0034	X76538	X77130		X77130	X77130	
X75958	X75958	X75958	X76228		X76228	X76228		LIPA	701	<u>.</u>	LIPA	. 0	ב ב	LIPA		LIPA	9	n N N	NMB			MPV17	X77130		X77130	X77130	

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1126C>G	1639G>T	(-172)C>T	1458C>T	28G>T	903A>G	126G>A	753A>G	760G>A	1187C>T	895T>C	2142T>C	2160A>G	1922G>A	2378G>A	2382G>A	1455T>C	2890A>G	3155T>G	5015G>A	5340G>A	180C>G		· · · · · · · · · · · · · · · · · · ·				
1303	1816	212	1462	253	1128	384	. 953	096	1387	895	2804	2822	1922	2378	2382	1625	3060	3181	5041	5366	387						
H.sapiens mRNA for ORL1	H.saplens mRNA for ORL1	H.sapiens mRNA for	H.sapiens mRNA for	Interferon (alpha, beta, omega) receptor 2 (splice	Interferon (alpha,beta, omega) receptor 2 (spilce	Metabotropic glutamate	H.sapiens 14-3-3 eta	H.sapiens 14-3-3 eta	H.sapiens 14-3-3 eta	H.sapiens mRNA for ary	H. saplens RNA for CLCN3	H. saplens RNA for CLCN3	Camitine Acetyltransferase	Carnitine Acetyltransferase	Carnitine Acetyltransferase	Metabotropic glutamate	Metabotropic glutamate	receptor type 4 Putative Chloride Channel	Putative Chloride Channel	Putative Chloride Channel	Prostaglandin E receptor 3 (subtype EP3) (alternative	المحادث فيخر المحادث المحادث المحادث	e presidente grandente gra		awi in v		
GEN	OEN Page	GEN-	GEN	GEN-29	GEN-29	GEN-	SEN S	S de S		S H		SEN- SEN- SEN- SEN-	GEN-2A	GEN-2A	GEN-2A	GEN-	GEN-	3VD GEN-NI	GEN-NI	GEN-NI	GEN-5H		٠.		:		
602548	602548	302910	602730	602376	602376	601115	113508	113508	113508	601292	600580	600580	600184	600184	600184	604100	604100	602726	602726	602726	176806						
X77130	X77130	X77197	X77533	X77722	X77722	X77748	X78138	X78138	X78138	X78282	X78520	X78520	X78706	X78706	X78706	X80818	X80818	X83378	X83378	X83378	X83861						
X77130	X77130	CLCN4	X77533	X77722	X77722	X77748	YWHAH	YWHAH	YWHAH	X78282	X78520	X78520	X78706	X78706	X78706	X80818	X80818	X83378	X83378	X83378	X83861		SD-144146.1	,		•	•

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-	1725 1340G>A	2027 1789C>T	2196C>T	2473 2235G>A	121 (-156)T>G	167 144T>C	614C>A	839C>G	207C>G	254A>G	318C>T	613C>A	2118A>C		4466G>A	6224C>T	6666C>T	7003G>A	8538C>A	594G>T	3561T>G	3738C>T		5078G>A		
	1725	2027	2434	2473	121	167	637	862	221	268	332	627	2230		4613	6371	6813	7150	8685	846	3641	3818	<b>?</b>	5158		
(sippinoid	H.sapiens mRNA for nucleolar protein, HNP36	H.sapiens mRNA for metabotropic glutamate	H.sapiens mRNA for metabotropic glutamate	H.saplens mRNA for metabotropic glutamate	P2 purinoceptor (P2Y6)	H.saplens mRNA for	prepronociceptin H.sapiens mRNA for	prepronociceptin H.sapiens mRNA for	prepronociceptin Cyclophilin A	Cyclophilln A	Cyclophilin A	Cyclophilin A	Human mRNA for	secretogranin	(chromogranin B)	IGF-2 receptor	IGF-2 receptor	IGF-2 receptor	IGF-2 receptor	Endothelin 1	H.sapiens mRNA for	mosaic protein LR11 H saniens mRNA for	mosaic protein LR11	H.sapiens mRNA for	mosaic protein LR11	
	GEN- 41E	GEN- 4FW	GEN- 4FW	GEN- 4FW	GEN- 4BB	GEN	GEN-	4BM GEN-	4BM GEN-SX	GEN-SX	GEN-SX	<b>GEN-SX</b>	<b>GEN-SZ</b>		GEN-61	GEN-61	GEN-61	GEN-61	GEN-61	GEN-P7	GEN-	F. F.	1 XH	GEN	Ŧ	
	602110	604101	604101	604101	602451	601459	601459	601459	123840	123840	123840	123840	118920		147280	147280	147280	147280	147280	131240	602005	602005		602005		
	X86681	X94552	X94552	X94552 604101	X97058	X97370	X97370	X97370	Y00052	Y00052	Y00052	Y00052	Y00064		Y00285	Y00285	Y00285	Y00285	Y00285	Y00749	Y08110	Y08110		Y08110		
	X86681	X94552	X94552	X94552	X97058	X97370	X97370	X97370	Y00052	Y00052	Y00052	Y00052	CHGB		Y00285	Y00285	Y00285	Y00285	Y00285	Y00749	Y08110	Y08110		Y08110		

R2164K	v	H270R	R307Q	A348T	T357S	Q460R	H521Q	V522I	S	R578Q	ဟ	w	S102A	• •	က	က		,	က	ო	ന	
6571 6491G>A	765 747T>C	835 809A>G	946 920G>A	1068 1042G>A	1096 1070C>G	1405 1379A>G	1589 1563C>G	1590 1564G>A	1628 1602G>T	1759 1733G>A	1772 1746G>A	396 396G>A	358 304T>G		1768 1714T>C	1768 1714T>C	1076 1022C>T	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1976 1922C>T	2470 2416T>C	2499 2445A>G	
H.sapiens mRNA for 65			H.sapiens mRNA for P2X7 9	receptor H.sapiens mRNA for P2X7 10	receptor H.sapiens mRNA for P2X7 10	receptor H.sapiens mRNA for P2X7 14	receptor H.sapiens mRNA for P2X7 15	receptor H.sapiens mRNA for P2X7 15	receptor H.sapiens mRNA for P2X7 16		receptor H.sapiens mRNA for P2X7 17		complete CDS Gamma-aminobutvric acid		Gamma-aminobutyric acid 17 (GABA) A receptor		(GABA) A receptor			(GABA) A receptor  Gamma-aminobutyric acid 24	Gamma-aminobutyric acid 24) (GABA) A receptor	
GEN-		_			4F4 GEN- H			_	4F4 GEN• H.	4F4 GEN- H.	4F4 GEN- H.		GEN-2C G		GEN-2C G	GEN-2C G	OENI-OC		GEN-2C G	GEN-2C G	GEN-2C G	
602005	602164	None	None	None	None	None	None	None	None	None	None	602534	300093		300093	300093	300003		300093	300093	300093	
Y08110	Y08756	Y09561	Y09561	Y09561	Y09561	Y09561	Y09561	Y09561	Y09561	Y09561	Y09561	Y09567	Y09765		Y09765	Y09765	V00785	3	Y09765	Y09765	Y09765	
Y08110	Y08756	Y09561	Y09561	Y09561	Y09561	Y09561	Y09561	Y09561	Y09561	Y09561	Y09561	Y09567	Y09765		Y09765	Y09765	V00765		Y09765	Y09765	Y09765	

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61G>T	3236T>C	3541T>C	3655A>G	40 (-23)G>A	1622 1622A>G	240T>C	1688A>C			2080T>G	438C>T	467G>A	2665C>T	134T>C	1104C>T	1590T>C	1659G>A	1909G>A	2396G>A
09	3264	3569	3683	4	1622	246	1694	30.00	200	2086	437	466	2664	388	1141	1627	1696	1946	2433
Homo sapiens mRNA for GABA-BR1a (hGB1a)	H.sapiens mRNA for	gamma-adapun H.sapiens mRNA for	H.sapiens mRNA for	gamma-adaptin Homo sapiens mRNA for	vacuolar proton-A I Pase subunit M9.2 Homo sapiens ASMTL	gene H.sapiens mRNA for	protein kinase C zeta H sapiens mRNA for	protein kinase C zeta	protein kinase C zeta	H.sapiens mRNA for	protein kinase C zeta Phospholipase C beta-3	Phospholipase C beta-3	Phospholipase C beta-3	H.sapiens mRNA for cysteine dioxygenase type	1 Endothelin Converting	Enzyme 1 Endothelin Converting	Endothelin Converting	Endothelin Converting	Endothelin Converting Enzyme 1
GEN- 1JS	GEN-	GEN	SE S	GEN-	GEN-	MEN GEN-	GEN-	TTE C	1 1 1	GEN-	GEN-	SBS GEN-	SB5 GEN-	GEN- 2GM	GEN-	GEN-	GEN-	GEN-	GEN- 2MA
603540	603533	603533	603533	None	None	176982	176982	176082	7000	176982	600230	600230	600230	603943	600423	600423	600423	600423	600423
Y11044	Y12226	Y12226	Y12226	Y15286	Y15521	Z15108	Z15108	715108	2	Z15108	Z26649	Z26649	Z26649	Z31357	Z35307	235307	235307	235307	Z35307
Y11044	Y12226	Y12226	Y12226	Y15286	Y15521	215108	Z15108	71510B	2	Z15108	Z26649	Z26649	226649	Z31357	ECE1	ECE1	ECE1	ECE1	ECE1

R57C	R344Q	က	ო	ო	တ	တ	ဟ	ຫ <sup>ົ</sup>	ო	က	က	ю	ന	ო
280 169C>T	1142 1031G>A	1612A>T	2995T>A	3342A>G	183C>T	1692 1476C>T	1851C>G	2509T>C	2639C>A	2772G>A	3234 3018C>T	3409A>G	3667C>T	4053 3837A>G
280	1142	1681	3183	3530	399	1692	2067	2725	2855	2988	3234	3625	3883	4053
H.sapiens HSPDE4C1 gene for 3,5-cyclic AMP	phosphodiesterase H.sapiens HSPDE4C1 gene for 3,5-cyclic AMP	H.sapien	regulatory subunit of PP2A Human peptidylglycine alpha-amidating monooxygenase mRNA,	Complete cas Human peptidylglycine alpha-amidating monooxygenase mRNA,	Human fur mRNA for furin									
GEN- 2X2	GEN- 2X2	GEN-3J4	GEN- 20K	GEN-	GEN-	GEN-	GEN	GEN-	GEN-	GEN-	GEN-	GEN-	GEN-	GEN- 1ZV
600128	600128	601644	170270	170270	136950	136950	136950	136950	136950	136950	136950	136950	136950	136950
Z46632	246632	Z69028	M37721	M37721	X17094									
PDE4C	PDE4C	Z69028	PAM	PAM	PACE									

Table 14. Identified

and
Related
Pathways
Identified
in
Pharmaco
kinetic
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Pharmaco
dynamic
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Candidate
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Interventi
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R64Q	Ø	K268R	တ	က	ო
191G>A	282C>T	803A>G	1044C>A	1251G>A	1277G>A
232	323	844	1084	1617	1643
Human mRNA for arylamine N- acetyltransferase (EC	C.3.1.5) Human mRNA for arylamine N-acetyltransferase (EC	Human mRNA for arylamine N-arylamine N-acetyltransferase (EC	Human mRNA for	Homo sapiens mRNA for keratan sulfate Gal-6-sulfotransferase, complete	cds Homo saplens mRNA for keratan sulfate Gal-6- sulfotransferase, complete
D90040 243400 GEN-465	GEN-465	GEN-465	GEN-	GEN- 1F9	GEN-
243400	D90040 243400 GEN-465	D90040 243400 GEN-465	602550	603797	603797
	D90040	D90040	AB00081 AB00081 602550	AB00379 1	AB00379
AAC2	AAC2	AAC2	AB00081	AB00379 AB00379 1 1	AB00379 AB00379 603797

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V244M	H690L	V397L	en A	တ	V1442F	Ø	V263M	1350V	w	ო	S342N
730G>A	2069A>T	1189G>T	1946T>C	978G>A	4324G>T	4728G>A	787G>A	1048A>G	765G>T	1328T>C	1025G>A
730	2137	1578	2335	1101	4671	5075	817	1128	826	1389	1029
Homo saplens mRNA for carbonyl reductase 3, complete cds	Homo saplens mRNA for ABC transporter 7 protein, complete cds	Homo saplens GN6ST mRNA for N- acetylglucosamine-6-O- sulfotransferas e (GlcNAc6ST), complete	Homo sapiens GN6ST mRNA for N- acetylglucosamine-6-O- sulfotransferas e (GlcNAc6ST), complete	Homo sapiens mRNA for	H.saplens mRNA for ABC-	H.sapiens mRNA for ABC-Cransporter	Human class I alcohol dehydrogenase (ADH2) beta-1 subunit mRNA,	Homo saplens alcohol dehydrogenase class I gamma subunit (ADH3) mRNA. complete cds	Human class II alchohol dehydrogenase (ADH4) pi subunit mRNA, complete	Human class II alchohol dehydrogenase (ADH4) pi subunit mRNA, complete	Human alcohol
GEN- KV6	GEN- KVU	GEN-L22	None GEN-L22	GEN-	GEN-4BI	GEN-4BI	GEN- 28A	GEN-	GEN- 1UM	GEN- 1UM	GEN-
603608	300135	None	None	603377	601615	601615	103720	103730	103740	103740	103710
AB00485 4	AB00528 9	AB01467 9	AB01467	AB01505	X97187	X97187	M24317	M12272	M15943	M15943	M29872
AB00485 4	AB00528 9	AB01467 9	AB01467 9	AB01505	ABC3	ABC3	ADH2	ADH3	ADH4	ADH4	ADH5

SD-144146.1

	က	C23R	Ø	S251A	Ø	ဟ	က	က	G882S	Ø
	1371T>C	67T>C	108C>T	751T>G	798C>T	858T>C	1992G>T	2150C>A	2644G>A	5055C>T
	1375	75	116	759	806	998	2000	2158	2725	5136
dehydrogenase class III (ADH5) mRNA, complete cds	Human alcohol dehydrogenase class III (ADH5) mRNA, complete cds	Dihydrolipoamide Sacetyltransferase (E2 component of pyruvate dehydrogenase complex)	Dihydrolipoamide S- acetyltransferase (E2 component of pyruvate dehydrodenase complex)	Dihydrolipoamide S- acetyltransferase (E2 component of pyruvate	Dihydrolipoamide S- acetyltransferase (E2 component of pyruvate dehydrogenase complex)	Dihydrollpoamide Sacetyltransferase (E2 component of pyruvate dehydrogenase complex)	Dihydrolipoamide Sacetyltransferase (E2 component of pyruvate dehydrogenase complex)	Dihydrolipoamide S- acetyltransferase (E2 component of pyruvate dehydrogenase complex)	Homo sapiens rim ABC transporter (ABCR) mRNA, complete cds	Homo sapiens rim ABC transporter (ABCR) mRNA, complete cds
2EU	GEN- 2EU	GEN-9T	GEN-9T	GEN-91	GEN-9T	GEN-9T	GEN-9T	GEN-9T	GEN- 17Z	GEN- 17Z
	103710	245349	245349	245349	245349	245349	245349	245349	601691	601691
	M29872	AF001437	AF001437 AF001437 245349	AF001437	AF001437	AF001437	AF001437	AF001437 AF001437	AF001945	AF001945
	АБН5	AF001437 AF001437	AF001437	AF001437	AF001437 AF001437	AF001437 AF001437	AF001437 AF001437	AF001437	AF001945 AF001945	AF001945 AF001945

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A304T	ന	က	ഹ	ω	က	က	ιC	ည	ഗ
910G>A	1844A>G	2083T>G	(-40)C>G	936T>C	1001A>G	2981T>C	(-209)A>C	(-33)G>A	(-14)A>G
961	1895	2134	79	1013	1078	3075	34	210	229
Homo sapiens peroxisomal membrane protein 69 (PMP69) mRNA, complete cds	Homo sapiens peroxiso membrane proteir (PMP69) mRNA, comp	Homo sapiens peroxisomal membrane protein 69 (PMP69) mRNA, complete	Homo saplens heparan sulfate 3-O- sulfotransferase 1 precursor (30ST1) mRNA,	Homo sapiens aflatoxin aldehyde reductase AFAR mRNA, complete cds	Homo sapiens aflatoxin aldehyde reductase AFAR mRNA, complete cds	Homo saplens TNF-alpha stimulated ABC protein (ABC50) mRNA, complete cds	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	Homo sapiens imprinted multi-membrane spanning polyspecific transporter- related protein (IMPT1)
GEN- 1HZ	GEN- 1HZ	GEN- 1HZ	None GEN-231	GEN-261	GEN-261	GEN- 27T	GEN- 2F6	GEN- 2F6	GEN- 2F6
603214	603214	603214	None	603418	603418	603429	602631	602631	602631
AF009746	AF009746 AF009746	AF009746	AF019386	AF026947 AF026947	AF026947 AF026947	AF027302 AF027302	AF028738	AF028738 AF028738	AF028738
AF009746 AF009746	AF009746	AF009746	AF019386 AF019386	AF026947	AF026947	AF027302	AF028738	AF028738	AF028738

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	F45V	E211D	Ø	G214A	K226R	ഗ	Ø	w
	1337>G	633A>C	639A>G	641G>C	677A>G	685T>C	693A>G	762A>G
	375	875	881	883	919	927	935	1004
mRNA, complete cds	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT.) mRNA, complete cds	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	Homo saplens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds
•	GEN- 2F6							
	602631	602631	602631	602631	602631	602631	602631	602631
	AF028738							
	AF028738 AF028738							
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K259Q	ဖ	G293R	σ	W308C	က	ო	က	A25T	A26T	S154N
775A>C	864A>G	877G>C	882A>C	924G>C	1100G>A	785A>G	2022A>T	73G>A	76G>A	461G>A
1017	1106	1119	1124	1166	1100	784	2021	200	203	588
 Homo saplens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, comolete eds	Homo sapiens imprinted multi-membrane spanning polyspecific transporter related protein (IMPT1) mRNA, complete cds	Homo saplens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT1) mRNA, complete cds	Homo sapiens imprinted multi-membrane spanning polyspecific transporter-related protein (IMPT-1) mRNA, complete cds	Homo sapiens clone 23819 white protein homolog mRNA, partial cds	Homo sapiens clone 24776 mRNA sequence	Homo sapiens clone 24776 mRNA sequence	Homo sapiens monocarboxylate transporter 2 (hMCT2) mRNA, complete cds	Homo saplens monocarboxylate transporter 2 (hMCT2) mRNA, complete cds	Homo sapiens
GEN- 2F6	GEN- 2F6	GEN- 2F6	GEN- 2F6	GEN- 2F6	GEN- 20M	GEN- 32U	GEN- 32U	GEN.	GEN	GEN
602631	602631	602631	602631	602631	None	300008	300005	None	None	None
AF028738	AF028738	AF028738	AF028738	AF028738	AF038175	AF055025	AF055025	AF058056	AF058056	AF058056
AF028738 AF028738	AF028738 AF028738	AF028738	AF028738 AF028738	AF028738 AF028738	AF038175 AF038175	AF055025	AF055025	AF058056	AF058056	AF058056 AF058056

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	ო	ო	က	က	ო	ო	Ø	ည	K32E	G42R	Т82М	ო
	1663G>A	1680A>T	1113C>T	1372A>C	529G>A	4347G>A	117G>A	(-39)G>C	94A>G	124G>A	245C>T	1882A>C
	1972	1989	1224	1483	528	4722	195	65	197	227	348	1915
monocarboxylate transporter 2 (hMCT2)	Homo sapiens cytosolic phospholipase A2-gamma mRNA, complete cds	Homo saplens cytosolic phospholipase A2-gamma mRNA, complete cds	Homo saplens clone 24408 2-oxoglutarate carrier protein mRNA, complete	Homo sapiens clone 24408 2-oxoglutarate carrier protein mRNA, complete	Homo saplens mitoxantrone resistance protein 1 mRNA, partial	Human AH-receptor mRNA, complete cds	Homo sapiens mRNA for cationic amino acid transporter 3	Homo sapiens mRNA for maleylacetoacetate isomerase	Homo sapiens mRNA for maleylacetoacetate isomerase	Homo sapiens mRNA for maleylacetoacetate	Homo sapiens mRNA for maleylacetoacetate isomerase	Homo saplens mRNA for UDP-glucuronosyltransferase
NW.	GEN- LJY	GEN- LJY	GEN- LNS	GEN- LNS	GEN-LTJ	GEN-	GEN- KY4	GEN- 17S	GEN- 17S	GEN- 17S	GEN- 17S	GEN- KVT
	None	None	None	None	None	600253	603752	603758	603758	603758	603758	600067
	AF058921	AF058921	AF070548	AF070548	AF093771	L19872	AJ000730	AJ001838	AJ001838	AJ001838	AJ001838	AJ005162
	AF058921 AF058921	AF058921	AF070548 AF070548	AF070548 AF070548	AF093771	AHR	AJ000730	AJ001838	AJ001838	AJ001838	AJ001838	AJ005162

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1527G>A	1446A>T	1574A>G	2401A>G	3344C>T	3345G>A	567G>C	1072G>A	1692C>T	1728G>A	(-20)T>C	148C>T	1167T>C	1255C>T	2061A>C
1820	1609	1616	2453	3396	3397	623	1631	1759	1795	51	218	1237	1325	2131
Homo sapiens mRNA for glycoprotein-associated amino acid transporter v+LAT1	Human fatty aldehyde dehydrogenase (FALDH) mRNA, complete cds	Human aldehyde dehydrogenase type III (ALDHIII) mRNA, complete cds	Human aldehyde dehydrogenase 6 mRNA, complete cds	Human aldehyde dehydrogenase 6 mRNA, complete cds	Human aldehyde dehydrogenase 6 mRNA, complete cds	Human aryl hydrocarbon receptor nuclear translocator (ARNT) mRNA, complete cds	Human arylsulfatase B (ASB) mRNA, complete cds	Homo saplens ARSE gene, complete CDS	Homo sapiens ARSE gene, complete CDS	Human kidney mRNA for catalase				
GEN- LDO	GEN-2XI	GEN- 3N9	GEN- 1F5	GEN- 1F5	GEN- 1F5	GEN- 3JH	GEN-2J0	GEN- 3Y8	GEN- 3Y8	GEN- 13P	GEN-	GEN-	GEN- 13P	GEN- 13P
None	270200	100660	600463	600463	600463	126110	253200	300180	300180	115500	115500	115500	115500	115500
AJ130718	L47162	M74542	U07919	U07919	U07919	M69238	M32373	X83573	X83573	X04076	X04076	X04076	X04076	X04076
AJ130718 AJ130718	ALDH10	ALDH3	ALDH6	ALDH6	ALDH6	ARNT	ARSB	ARSE	ARSE	CAT	CAT	CAT	CAT	CAT

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D24V	w	Ø	ო	က	ო	က	ო	3	က	w	S433N	ဟ	C866Y	က
71A>T	936T>C	1194G>A	967G>A	1023T>C	2002C>T	2279G>A	2359G>C	2525T>C	2546C>T	558T>C	1298G>A	1818C>T	2597G>A	5694T>C
106	971	1229	1060	1022	2001	2278	2358	2524	2545	999	1306	1826	2729	5826
Human corticosteroid binding globulin mRNA,	Human corticosteroid binding globulin mRNA, complete cds	Human corticosteroid binding globulin mRNA, complete cds	Human carbonyl reductase	Human cystathionine-beta- synthase (CBS) mRNA	Human cystathlonine-beta- synthase (CBS) mRNA	Human cystathionine-beta- synthase (CBS) mRNA	Human cholesterol esterase mRNA, complete	Human cholesterol esterase mRNA, complete	Human cholesterol esterase mRNA, complete	Human cystic fibrosis mRNA, encoding a presumed transmembrane conductance regulator	Human cystic floresis mRNA, encoding a presumed transmembrane conductance regulator			
122500 GEN-Y2	GEN-Y2	GEN-Y2	GEN-	GEN-UV	GEN-UV	GEN-UV	GEN-UV	GEN-UV	GEN-UV	GEN-404	GEN-404	GEN-404	GEN- 2DF	GEN- 2DF
122500	122500	122500	114830	236200	236200	236200	236200	236200	236200	114841	114841	114841	602421	602421
J02943	J02943	J02943	J04056	L00972	L00972	L00972	L00972	L00972	L00972	M85201	M85201	M85201	M28668	M28668
CBG	CBG	CBG	CBR	CBS	CBS	CBS	CBS	CBS	CBS	GEL	CEL	CEL	CFTR	CFTR

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CPA1         X67318         114850         GEN.         H.saplens mRNA for TO																	•																			
X67318         114850         GEN- 3HJ         H.sapiens mRNA for procarboxypeptidase A1 H.sapiens mRNA for BHJ         Procarboxypeptidase A1 Procarboxypeptidase A1 H.sapiens mRNA for BHJ         172 Procarboxypeptidase A1 H.sapiens mRNA for Complete cds           L13278         123691         GEN- GEN- Homo sapiens zeta- reductase mRNA, Complete cds         64 Homo sapiens zeta- reductase mRNA, Complete cds           L13278         123691         GEN- Homo sapiens zeta- reductase mRNA, Complete cds         902 Homo sapiens zeta- reductase mRNA, Complete cds           L13278         123691         GEN- Homo sapiens zeta- reductase mRNA, Complete cds         1129 Homo sapiens zeta- reductase mRNA, Complete cds           L13278         123691         GEN- Homo sapiens zeta- reductase mRNA, Complete cds         1129 Homo sapiens zeta- reductase mRNA, Complete cds         1129 Homo sapiens zeta- reductase mRNA, Complete cds         1109 Homo sapiens zeta- reductase mRNA, Complete cds         1109 Homo sapiens zeta- reductase mRNA, Complete cds         1109 Homo sapiens zeta- reductase mRNA, COMPLANA, Complete cds         1109 Homo sapiens zeta- reductase mRNA, COMPLANA, COMPLANA, COMPLANA, COMPLANA, COMPLANA, Sector MRNA, COMPLANA, COMPLANA, Sector MRNA, COMPLANA, COMPLANA, Sector MRNA, COMPLA	ဟ	T164R	A208T	,	တ			V298M				ო			13598	•		က			R48G			00774	A1193			က				R75H		တ		
X67318         114850         GEN- 3HJ         H.sapiens mRN4 for 3HJ         MARPIGAS A1           X67318         114850         GEN- 3HJ         H.sapiens mRN4 for 3HJ         MARPIGAS A1           X67318         114850         GEN- 3HJ         H.sapiens mRN4 for procarboxypeptidase A1           L13278         123691         GEN- 4 Homo sapiens zeta- crystallin/quinone reductase mRNA, complete cds           L13278         123691         GEN- 4 Homo sapiens zeta- crystallin/quinone reductase mRNA, complete cds           L13278         123691         GEN- 4 Homo sapiens zeta- crystallin/quinone reductase mRNA, complete cds           L13278         123691         GEN- 5 Homo sapiens zeta- crystallin/quinone reductase mRNA, complete cds           L0368         601771         GEN- 5 Storoid 18-hydrox/ase, complete cds           L03688         601771         GEN- 5 Human dioxin-inducible cytochrome P450 (CYP1B1) mRNA, complete cds           L03688         601771         GEN- 7 Human dioxin-inducible cytochrome P450 (CYP1B1) mRNA, complete cds           L03688         601771         GEN- 7 Human dioxin-inducible cytochrome P450 (CYP1B1) mRNA, complete cds           L117         GEN- 8 Human dioxin-inducible cytochrome P450 (CYP1B1) mRNA, complete cds           L117         GEN- 8 Human dioxin-inducible cytochrome P450 (CYP1B1) mRNA, complete cds           L117         Complete cds	165G>C	491C>G	622G>A		54G>A			892G>A				1219A>G			1076T>G			1593G>A			142C>G			1	3226>			2327G>T				224G>A		330C>T		
X67318         114850         GEN- 3HJ         H.sapie 3HJ           X67318         114850         GEN- 3HJ         H.sapie 3HJ           X67318         114850         GEN- 4H.sapie 3HJ         H.sapie 4H.sapie 3HJ           L13278         123691         GEN- 6EN- 1NZ         Homo crys redu           L13278         123691         GEN- 1NZ         Homo crys redu           S52028         219500         GEN- 33F         Homo crys redu           D13752         124080         GEN- CCD         Human dia cyto (CYF           U03688         601771         GEN- 11Y         Human dia cyto (CYF           U03688         601771         GEN- 11Y         Human dia cyto (CYF           M17252         201910         GEN-201         Human dia cyto (CYF           M17252         201910         GEN-201         Human dia cyto (CYF	172	498	629		4			905				1229			1109			1600			488			i	5			2673				224		330		
X67318 114850 X67318 114850 X67318 114850 L13278 123691 L13278 123691 L13278 123691 U03688 601771 U03688 601771 U03688 601771 M17252 201910 GEN M17252 201910 GEN	H.sapiens mRNA for	H.sapiens mRNA for	procarboxypeptidase A1 H.saplens mRNA for	procarboxypeptidase A1	Homo sapiens zeta-	crystallin/quinone reductase mRNA,	complete cds	Homo sapiens zeta-	crystallin/quinone	reductase mRNA,	complete cds	Homo sapiens zeta-	crystallin/quinone	complete cds	cystathionine gamma-lyase	{clone HCL-1} [human.	liver, mRNA, 1194 nt]	Human CYP11B2 gene for	steroid 18-hydroxylase,	complete cds	Human dioxin-inducible	cytochrome P450	(CYP1B1) mRNA,	spa ejeldijoa	Human dioxin-inducible cytochrome P450	(CYP1B1) mRNA,	complete cds	Human dioxin-inducible	cytochrome P450	(CYP1B1) mRNA,	complete cds	Human cytochrome	P450c21 mRNA, 3 end	Human cytochrome	P450c21 mRNA, 3 erid	
X67318 114850 X67318 114850 X67318 114850 L13278 123691 L13278 123691 S52028 219500 D13752 124080 U03688 601771 U03688 601771 M17252 201910 M17252 201910	GEN	SEN S	GEN- GEN-	3H	GEN	1NZ		GEN-	1NZ			GEN-	1NZ		GEN.	33F		GEN-	CCD		GEN-	11		i		•		GEN.	117			<b>GEN-201</b>		GEN-201		
	114850	114850	114850		123691			123691				123691			219500			124080			601771			, ,	601//1			601771				201910				
CPA1 CPA1 CRYZ CRYZ CRYZ CRYZ CYP1B2 CYP1B1 CYP1B1 CYP21	X67318	X67318	X67318		L13278			L13278				L13278			S52028			D13752			U03688			000011	003688			003688				M17252		M17252		
	CPA1	CPA1	CPA1		CRYZ			CRYZ				CRYZ			H			CYP11B2			CYP1B1				CYP1B1			CYP1B1				CYP21		CYP21		

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က	C215Y	R258C	R264W	R452C	w	ო	ო	က	က	က
745T>C	644G>A	772C>T	790C>T	1354C>T	1494G>A	1714C>A	2161G>T	2323T>C	2385G>A	2434T>A
745	766	894	912	1476	1616	1836	2283	2445	2507	2556
Human cytochrome P450c21 mRNA. 3 end	Human lanosterol 14- demethylase cytochrome P450 (CYP51) mRNA, complete cds,	Human lanosterol 14- demethylase cytochrome P450 (CYP51) mRNA,	Human lanosterol 14- demethylase cytochrome P450 (CYP51) mRNA, complete cds	Human lanosterol 14- demethylase cytochrome P450 (CYP51) mRNA,	Human lanosterol 14- demethylase cytochrome P450 (CYP51) mRNA,	Human lanosterol 14- demethylase cytochrome P450 (CYP51) mRNA,	Human landsted 14- demethylase cytochrome P450 (CYP51) mRNA,			
GEN-201	GEN- 27K	GEN- 27K	GEN- 27K	GEN- 27K	GEN- 27K	GEN- 27K	GEN- 27K	GEN- 27K	GEN- 27K	GEN- 27K
201910	601637	601637	601637	601637	601637	601637	601637	601637	601637	601637
M17252	U23942	U23942	U23942	U23942	U23942	U23942	U23942	U23942	U23942	U23942
CYP21	CYP51	CYP51	CYP51	CYP51	CYP51	CYP51	CYP51	CYP51	CYP51	CYP51

<b>ო</b>	S175A	Q5H	ဟ	တ	S310T	ဟ	က	ო	က	S	ß	2	ഗ	က	V149I	က
2543G>A	523T>G	15G>C	90G>A	312A>G	929G>C	768C>T	898G>A	2096G>A	2129A>G	(-1284)A>T	(-829)G>C	(-562)G>C	927T>C	1203A>G	445G>A	1094C>A
2665	266	99	141	363	980	816	946	2299	2332	434	889	1156	2644	2920	291	1240
Compress costs  Human lanosterol 14- demethylase cytochrome P450 (CYP51) mRNA, complete cds	Human mRNA for dipentidase	Human mRNA for KIAA0119 gene, complete	Human mRNA for KIAA0119 gene, complete cds	Human mRNA for KIAA0119 gene, complete cds			Human mRNA for	Human mRNA for platelet- activating factor acetylhydrolase 2,	Human mRNA for platelet- activating factor acetylhydrolase 2, complete cds	P2Y7 purinoceptor	Human liver arylamine N- acetyltransferase (EC 2.3.1.5) gene	Human liver arylamine N-				
GEN- 27K	GEN-	GEN- 200	GEN- 200	GEN-	GEN- 200	GEN- 42Y	GEN-	GEN- 44C	GEN- 44C	GEN-7	GEN-7	GEN-7	GEN-7	GEN-7	GEN-464	D90041 108345 GEN-464
601637	179780	None	None	None	None	180370	180370	602344	602344	601531	601531	601531	601531	601531	108345	108345
U23942	D13138	D17793	D17793	D17793	D17793	D87292	D87292	D87845	D87845	D89078	D89078	D89078	D89078	D89078	D90041	D90041
CYP51	D13138	D17793	D17793	D17793	D17793	D87292	D87292	D87845	D87845	D89078	D89078	D89078	D89078	D89078	D90041	D90041

w	S87C	Ø	Ø	w	M151V	H170R	L172Q	ဟ	ω	· ဖ	1310S	ღ
15C>T	259A>T	327C>T	342T>C	441G>A	451A>G M	509A>G H1	515T>A L1	666T>C	783G>A	849G>T	929T>G 13	997G>A
38	282 25	350 32	365 34	464 44	474 45	532 50	538 51	99	806 78	872 84	952 92	1020 99
se (EC ) gene drodiol nRNA,												
acetyltransferase (EC 2.3.1.5) gene Human dihydrodiol dehydrogenase mRNA,	Complete cas Human dihydrodiol dehydrogenase mRNA,	complete cds Human dihydrodiol dehydrogenase mRNA,	Complete cas Human dihydrodiol dehydrogenase mRNA,	Human dihydrodiol dehydrogenase mRNA,	Human dihydrodiol dehydrogenase mRNA,	Human dihydrodiol dehydrogenase mRNA,	Human dihydrodiol dehydrogenase mRNA, complete cds	Human dihydrodiol dehydrogenase mRNA, complete cds				
600450 GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	600450 GEN-184	GEN:184	GEN-184	GEN-184	GEN-184	GEN-184	600450 GEN-184
	600450	600450	600450	600450	600450	600450	600450	600450	600450	600450	600450	600450
U05598	U05598	U05598	U05598	005598	U05598	005598	U05598	U05598	U05598	005598	U05598	U05598
DDH1	ррн1	DDH1	DDH1	DDH1	DDH1	DDH1	DOH1	DOH1	DOH1	DDH1	DDH1	DDH1

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1012G>A	1089C>T	679T>A	679T>A	787C>T	1218G>A	. <del></del>		1816C>A			489G>A	672G>A	C	35/1/55		357A>G		416A>G		1071C>T		1590A>C					,
1035	1112	721	721	828	1225			1823			510	693	9	400		480		539		1194		1631					
Human dihydrodiol dehydrogenase mRNA,	complete cds Human dihydrodiol dehydrogenase mRNA,	Human dihydrofolate	Human dihydrofolate	reductase gene Human dihydrofolate	reductase gene Human enyol-CoA:	hydratase 3-hydroxyacyl- CoA dehydrogenase	(EHHADH) mRNA, complete cds with repeats	Human enyol-CoA:	iyoratase 3-flydroxyacyi- CoA dehydrogenase /EHHADH) mBNA	complete cds with repeats	Human elastase 2 mRNA,	complete cds Human elastase 2 mRNA,	complete cds	epoxide hydrolase (EPHX)	mRNA, complete cds	Homo sapiens p33/HEH epoxide hydrolase (EPHX)	mRNA, complete cds	Homo saplens p33/HEH	mRNA, complete cds	Homo sapiens p33/HEH	epoxide hydrolase (EPHX)	Human cytosolic epoxide	hydrolase mRNA, complete	Spo.	ATT OF	2.32	
GEN-184	600450 GEN-184	GEN.	GEN	GEN-	GEN-	7		GEN-	<u> </u>		GEN-1YI	GEN-1YI	i	29Z		GEN- 29Z		GEN-	1	GEN-	767		18A				
600450	600450	126060	126060	126060	261515			261515			130120	130120	0,000	132810		132810		132810		132810		132811					
U05598	U05598	J00140	J00140	J00140	L07077			L07077			M16631	M16631		1.25878		L25878		L25878		L25878		L05779					
рон1	DDH1	DHFR	DHFR	DHFR	EHHADH			EHHADH			ELA1	ELA1	i	EPHX1		EPHX1		EPHX1		EPHX1		EPHX2					

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· · · · · · ·	1701A>G	1759T>C	280G>A	2953G>A	3010G>A	897T>C	1296G>T	1307C>A	1334G>A	186G>A	292C>G	593C>T	730A>C
	1742	1800	322	3026	3083	925	1324	1335	1362	504	610	911	1048
	Human cytosolic epoxide hydrolase mRNA, complete	Human cytosolic epoy hydrolase mRNA, comp	Human liver fatty acid binding protein (FABP)	Human long-chain acyl- coenzyme A synthetase (FACL1) mRNA, complete	Human long-chain acyl- coenzyme A synthetase (FACL1) mRNA, complete	Human serum vitamin D- binding protein (hDBP)	Human mRNA for glutathione peroxidase (EC	Human mRNA for glutathione peroxidase (EC	Human mRNA for glutathione peroxidase (EC	Human mRNA for glutathione peroxidase (EC 1.11.19.)			
	GEN- 18A	GEN- 18A	GEN-11E	GEN-1GI	GEN-1GI	GEN-	GEN-	GEN- 1MN	GEN-	GEN-TJ	GEN-TJ	GEN-TJ	GEN-TJ
	132811	132811	134640	152425	152425	139200	139200	139200	139200	138320	138320	138320	138320
	L05779	L05779	M10050	L09229	L09229	M12654	M12654	M12654	M12654	Y00433	Y00433	Y00433	Y00433
	ЕРНХ2	EPHX2	FABP2	FACL1	FACL1	ပ္ပ	ပ္ပ	ပ္ပ	ပ္ပ	GPX1	GPX1	GPX1	GPX 

က	ო	က	ო	ന	ო	ෆ . ·	ო	က	ო	ო	V224I	ო
792A>C	773C>T	931G>A	1139T>G	1306C>T	1395C>T	1468C>A	1533C>T	638T>C	757C>A	802A>C	670G>A	1349T>C
1110	821	979	1187	1354	1443	1516	1581	718	837	882	687	1406
Human mRNA for glutathione peroxidase (EC	Human GPx-3 mRNA for plasma glutathione peroxidase	Human GPx-3 mRNA for plasma glutathione peroxidase	H.sapiens GPx-4. mRNA for phospholipid hydroperoxide glutathione peroxidase	H.sapiens GPx-4 mRNA for phospholipid hydroperoxide glutathione peroxidase	H.sapiens GPx-4 mRNA for phospholipid hydroperoxide glutathione	Human glutathione transferase M3 (GSTM3) mRNA, complete cds	Human glutathione Stransferase (GSTM5)					
GEN-TJ	GEN-38S	GEN- 38S	GEN- 38S	GEN- 38S	GEN- 38S	GEN- 38S	GEN- 38S	GEN-3L1	GEN-3L1	GEN-3L1	GEN-	GEN- WO
138320	138321	138321	138321	138321	138321	138321	138321	138322	138322	138322	138390	138385
Y00433	X58295	X71973	X71973	X71973	J05459	L02321						
GPX1	GPX3	GPX4	GPX4	GPX4	GSTM3	GSTM5						

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	1105V	A114V	Ø	S68L	<i>σ</i>	V503M	w	ო	m	м
	313A>G	341C>T	555C>T	203C>T	543C>T	1507G>A	825T>C	1561G>C	1862A>C	1865A>C
	319	347	561	203	543	1507	871	1607	1908	1911
mRNA, complete cds	Human mRNA for class Pi glutathione S-transferase (GST-Pi: E.C.2.5.1.18)	Human mRNA for class Pi glutathione S-transferase (GST-Pi: E.C.2 5.1.18)	Human mRNA for class Pi glutathione S-transferase (GST-Pi: E.C.2.5.1.18)	Homo sapiens glutathione S-transferase thera 2 (GSTT2) mRNA, complete	Homo sapiens glutathlore S-transferase theta 2 (GSTT2) mRNA; complete	Human 78 kDa gastrin- binding protein mRNA,	Human mRNA for mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein,	Human mRNA for mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein,	Human mRNA for mitochondrial 3-ketoacyl- CoA thiolase beta-subunit of trifunctional protein,	Human mRNA for mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds
	GEN- 19N	GEN- 19N	GEN- 19N	GEN- 2PC	GEN- 2PC	600890 GEN-155	GEN- 175	GEN- 1Y5	GEN. 175	GEN. 175
	X06547 134660	134660	134660	600437	600437	600890	143450	143450	143450	143450
	X06547	X06547	X06547	L38503	L38503	U04627	D16481	D16481	D16481	D16481
٠	GSTP1	GSTP1	GSTP1	GSTT2	GSTT2	НАЙНА	НАДНВ	НАДНВ	НАДНВ	НАОНВ

ဟ	G689A	ဟ	S	E481D	ო	က	ო	~	o	တ	Ø	ဟ		P309T	Ø	ო		ш,	'n	n	ო	ო	ო		
1068A>G	2066G>C	438C>T	72G>T	1443A>T	967G>A	991T>C	1090G>C	1122624		21C>T	270G>A	270G>A		925C>A	1728A>T	2042-	2043AC>AC	2042-	2043delAC	1504627	2342T>G	487A>G	525T>G	ere v e	
1068	2294	565	140	1511	1099	1123	1222	1254	2	22	304	304		929	1762	2076		2076	3338	7270	2376	260	598		
Histamine receptor H1	Human heparan sulfate N-deacetylase/N-sulfotransferase mRNA,	Homo sapiens iduronate-2- sulphatase (IDS) mRNA,	Leukotriene A4 hydrolase	Leukotrlene A4 hydrolase	Human adrenodoxin	Human adrenodoxin	mKNA, complete cds Human adrenodoxin	mRNA, complete cds	mRNA, complete cds	Lipoxygenases: 5-	Ilpoxygenase (leukocytes) Lipoxygenases: 5-	lipoxygenase (leukocytes) Lipoxygenases: 5-	lipoxygenase (leukocytes)	Lipoxygenases: 5-	lipoxygenase (leukocytes) Lipoxygenases: 5-	lipoxygenase (leukocytes) Lipoxygenases: 5-	lipoxygenase (leukocytes)	Lipoxygenases: 5-	lipoxygenase (leukocytes)	Lipoxygenases: 5- lipoxygenase (leukocytes)	Lipoxygenases: 5-	Human glutathione S- transferase mRNA,	complete cds Human glutathione S-		j.
GEN-	GEN- 20V	GEN- 2SB	GEN-8	GEN-8	GEN-	GEN.	GEN-	11 A	11W	GEN-9	GEN-9	GEN-9		6-NHO	GEN-9	GEN-9		GEN-9	O NE	8-21 9	GEN-9	GEN- 11Z	GEN-	4	
600167	600853	308800	151570	151570	103260	103260	103260	103260		152390	152390	152390		152390	152390	152390		152390	152300	085261	152390	138330	138330		
AF026261	U17970	L40586	J03459	J03459	J03548	J03548	J03548	1035AB		J03571	J03571	J03571		J03571	J03571	J03571		J03571	103571	10000	J03571	J03746	J03746		
HRH1	HSST	SQI	J03459	J03459	J03548	J03548	J03548	103548		J03571	J03571	J03571		J03571	J03571	J03571		J03571	103571	10000	J03571	J03746	J03746	SD-144146.1	

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	တ	Ø	S210T	ო	က	R134K	Q306E	ဟ	R653Q	T761M	Q201K	w	w	V185A	V219E	V330L	V462I
	84T>C	528C>T	628T>A	713C>G	887C>T	401G>A	916C>G	1561T>C	1958G>A	2282C>T	601C>A	240A>G	327C>T	554T>C	656T>A	988G>C	1384G>A
	66	543	. 643	728	902	454	696	1614	2011	2335	661	240	327	554	656	988	1470
transferase mRNA,	Glutathione S-transferase	Glutathione S-transferase	Glutathione S-transferase M1	Glutathione S-transferase	Glutathione S-transferase	Methenyltetrahydrofolate	Methenyltetrahydrofate	Methenyltetrahydrofolate	Methenyltetrahydrofolate	Methenyltetrahydrofolate	cyclohydrolase Human aldehyde reductase mRNA,	complete cds Human alpha-1- antichymotrypsin mRN4, 3	Human alpha-1- antichymotrypsin mRNA, 3	Human alpha-1- antichymotrypsin mRNA, 3	Aldehyde dehydrogenase 2. mitochondrial	Aldehyde dehydrogenase	Cytochrome P450, subfamily I (aromatic compound-inducible),
112	GEN-9D	GEN-9D	GEN-9D	GEN-9D	GEN-9D	GEN-CB	GEN-CB	GEN-CB	GEN-CB	GEN-CB	GEN-PR	GEN-PT	GEN-PT	GEN-PT	GEN-5N	GEN-5N	GEN-9E
	138350	138350	138350	138350	138350	172460	172460	172460	172460	172460	None	107280	107280	107280	100650	100650	108330
	J03817	J03817	J03817	J03817	J03817	J04031	J04031	J04031	J04031	J04031	J04794	J05176	J05176	J05176	K03001	K03001	K03191
٠	J03817	J03817	J03817	J03817	J03817	J04031	J04031	J04031	J04031	J04031	J04794	J05176	J05176	J05176	K03001	K03001	K03191

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	တ	ဟ	F434S	Ø	ო	က	က	<b>ෆ</b>	က	R1058Q	w	w	တ
	432G>A	1<0696	1301T>C	1374T>C	1912A>G	1938G>A	1979C>T	2015T>C	2083A>G	3173G>A	4002G>A	153C>T	162G>A
	648	1001	1333	1406	1944	1970	2011	2047	2115	3369	4198	191	200
polypeptide 1	Human peroxisome proliferator activated receptor mRNA, complete cds	Human cytochrome p-450 4A (CYP4A) mRNA, complete cds	Human cytochrome p-450 4A (CYP4A) mRNA, comolete cds	Human cytochrome p-450 4A (CYP4A) mRNA, comolete cds	Human cytochrome p-450 4A (CYP4A) mRNA, comolete cds	Human cytochrome p-450 4A (CYP4A) mRNA, complete cds	Human multidrug resistance-associated protein (MRP) mRNA,	Human multidrug resistance-associated protein (MRP) mRNA,	Homo sapiens aryl sulfotransferase mRNA, complete cds	Homo sapiens aryl			
	GEN- KW4	GEN-157	GEN-157	601310 GEN-157	GEN-157	GEN-157	GEN-157	GEN-157	GEN-157	GEN- 4D9	GEN- 4D9	GEN- LVD	GEN-
	170998	601310	601310	601310	601310	601310	601310	601310	601310	158343	158343	171150	171150
	L02932	L04751	L05628	L05628	L10819	L10819							
	L02932	L04751	L05628	L05628	L10819	L10819							

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	<b>ω</b> -	တ	A86V	D98N	<b>ω</b>	ω	H213R	က	က	M618I	က
	192T>C	204G>A	257C>T	292G>A	300G>A	9<0009	638A>G	902G>A	973T>C	1854G>A	2189T>C
	230	242	295	330	338	638	929	940	1011	1897	2232
sulfotransferase mRNA,	Homo sapiens aryl sulfotransferase mRNA, complete cds	Solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral amino acid transport), member 1	Solute carrier family 3:     (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral								
LVD	GEN- LVD	GEN- LVD	GEN- LVD	GEN- LVD	GEN- LVD	GEN- LVD	GEN-	GEN- LVD	GEN- LVD	GEN-D6	GEN-D6
	171150	171150	171150	171150	171150	171150	171150	171150	171150	104614	104614
	L10819	L11696	L11696								
	L10819	L11696	L11696								

	ග	တ	S49F	E490D	თ	m	တ	ო	ဟ	တ	S215N	တ	S	N363S	w
	1638G>A	105A>G	146C>T	1470A>T	1760G>C	1281G>A	3981A>G	5834C>G	465T>G	591A>G	644G>A	813C>T	1437C>A	1088A>G	1893- 1893AG>AG
	2031	243	284	1482	1772	1366	4019	5845	469	. 292	648	817	1441	1220	2024
amino acid transport), member 1	Human mitochondrial 1,25- dihydroxyvitamin D3 24- hydroxylase mRNA, complete cds	Human aryl sulfotransferase mRNA, complete cds	Human aryl sulfotransferase mRNA, complete cds	Solute carrier family 16 (monocarboxyllc acid transporters) member 1	Solute carrier family 16 (monocarboxylic acid transporters), member 1	Human arylacetamide deacetylase mRNA, complete cds	Cell surface receptor for sulfonylureas on pancreatic b cells	Human mRNA for lactase- phlorizin hydrolase LPH (EC 3.2.1.23-62)	Human hepatic lipase mRNA, complete cds	Human hepatic lipase mRNA, complete cds	Human hepatic lipase mRNA, complete cds	Human hepatic lipase mRNA complete cds	Human hepatic lipase	Corticosteroid nuclear	Corticosteroid nuclear receptor b
	GEN- 103	GEN- LVE	GEN- LVE	GEN-DQ	GEN-DQ	GEN- 2IW	GEN-5Q	GEN- 1F6	GEN-11J	GEN-11J	GEN-11J	GEN-11J	GEN-11J	GEN-2W	GEN-2W
	600125	600641	600641	600682	600682	600338	6002009	603202	151670	151670	151670	151670	151670	138040	138040
	L13286	L19956	L19956	L31801	L31801	L32179	L78207	X07994	J03540	J03540	J03540	J03540	J03540	M10901	M10901
	L13286	L19956	L19956	L31801	L31801	L32179	L78207	LCT	LIPC	LIPC	LIPC	LIPC	LIPC	M10901	M10901

M10901	M10901	138040	GEN-2W	Corticosteroid nuclear	2024	1892-	ιL	
M10901	M10901	138040	GEN-2W	Corticosteroid nuclear	2054	1922A>T	D641V	
M10901	M10901	138040	GEN-2W	receptor b Corticosteroid nuclear	2372	2240T>G	17478	
M10901	M10901	138040	GEN-2W	receptor b Corticosteroid nuclear	2391	2259A>C	L753F	
M10901	M10901	138040	GEN-2W	receptor b Corticosteroid nuclear	2391	2259A>T	L753F	
M11050	M11050	138040	GEN-7Y	receptor b Glucocorticoid receptor	2166	2034C>T	တ	
M11050	M11050	138040	GEN-7Y	Glucocorticoid receptor	3353	3221T>G	က	
M11050	M11050	138040	GEN-7Y	Glucocorticoid receptor	3398	3266T>G	ო	
M14565	M14565	118485	GEN-30	Cytochrome P450, subfamily XIA (cholesterol side chain cleavage)	947	903G>C	M3011	
M14758	M14758	171050	GEN- 1S6	P glycoprotein 1	978	554- 555TT>GA>G	V185G	
M14758	M14758	171050	GEN-	P glycoprotein 1	978	555TT>TT	Ø	
M14758	M14758	171050	GEN- 5.5	P glycoprotein 1	1623	1199G>A	S400N	
M14758	M14758	171050	GEN-	P glycoprotein 1	3101	2677G>A	A893T	
M14758	M14758	171050	GEN-	P glycoprotein 1	3101	2677G>T	A893S	
M14758	M14758	171050	GEN-	P glycoprotein 1	3859	3435C>T	ဟ	
M14758	M14758	171050	GEN-	P glycoprotein 1	4460	4036A>G	ო	
M15856	M15856	238600	GEN-33	Lipoprotein lipase	136	(-39)T>C	വ	
M15856	M15856	238600	GEN-33	Lipoprotein lipase	280	106G>A	D36N	
M15856	M15856	238600	GEN-33	Lipoprotein lipase	438	264T>A	ட	
M15856	M15856	238600	GEN-33	Lipoprotein lipase	447	273G>A	LL I	
M15856	M15856	238600	GEN-33	Lipoprotein lipase	474	300C>A	u.	
M15856	M15856	238600	GEN-33	Lipoprotein lipase	480	306A>C	R102S	
M15856	M15856	238600	GEN-33	Lipoprotein lipase	511	337T>C	W113R	
M15856	M15856	238600	GEN-33	Lipoprotein lipase	571	397C>T	u.	
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SD-144146.1								
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						season (*)		
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G169E	D183G	S199C	A203T	D207E	G215E	1221T	G222E	D231E	P234L	ட	R270H	S271T	D277N	N318S	A361T	L392V	щ	C445Y	ட	က	ო	က	က	က	ო	က	က	က	က	က	2		2	
506G>A	548A>G	596C>G	607G>A	621C>G	.644G>A	662T>C	665G>A	693C>G	701C>T	742delG	809G>A	811T>A	829G>A	953A>G	1081G>A	1174C>G	1227G>A	1334G>A	1421C>G	1799T>C	2254T>A	2569T>C	2677A>G	2677A>G	2784G>A	2843T>C	3098T>C	3098T>C	3169T>C	3273C>T	(-40)G>A		(-2)T>C	
980	722	770	781	795	818	836	839	867	875	916	983	985	1003	1127	1255	1348	1401	1508	1595	1973	2428	2743	2851	2851	2958	3017	3272	3272	3343	3447	. 16		54	
Lipoprotein lipase	Human glutathione S-	transferase 2 (GST)	Human glutathione S- francferace 2 (GST)	ualisiasa z (OO1)																														
<b>GEN-33</b>	GEN-33	<b>GEN-33</b>	GEN-33	GEN-QS		GEN-QS																												
238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	138360		138360	
M15856	M15872		M15872																															
M15856	M15872		M15872																															

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F10S	T19I	LL.	R89K	Ø	Ø	Ø	E210A	A216S	က	ო	ო	က	D98G	G143D	F146V	
29T>C	56C>T	115G>T	266G>A	321C>T	375G>A	567C>T	629A>C	646G>T	2505T>G	4144G>A	4445A>G	5674A>G	293A>G	428G>A	435- 436TT>AG>A	თ
84	111	170	321	376	430	622	684	701	2725	4364	4665	5894	422	224	564	
mRNA, complete cds Human glutathione S- transferase 2 (GST)	mRNA, complete cds Human glutathione S- transferase 2 (GST)	mRNA, complete cds Human glutathione S- transferase 2 (GST)	mRNA, complete cds Human glutathione S- transferase 2 (GST)	mRNA, complete cds Human glutathione S- transferase 2 (GST)	mRNA, complete cds Human glutathione S- transferase 2 (GST)	mRNA, complete cds Human glutathione S- transferase 2 (GST)	mRNA, complete cds Human glutathione:S- transferase 2 (GST)	mRNA, complete cds Human glutathione S- transferase 2 (GST)	mRNA, complete cds STERYL-SULFATASE	STERYL-SULFATASE	STERYL-SULFATASE	STERYL-SULFATASE	Butyrylcholinesterase	Butyrylcholinesterase	Butyrylcholinesterase	
GEN-OS	GEN-QS	GEN-QS	GEN-QS	GEN-QS	GEN-OS	GEN-QS	GEN-QS	GEN-QS	GEN-7D	GEN-7D	GEN-7D	GEN-7D	GEN-35	GEN-35	GEN-35	
138360	138360	138360	138360	138360	138360	138360	138360	138360	308100	308100	308100	308100	177400	177400	177400	
M15872	M15872	M15872	M15872	M15872	M15872	M15872	M15872	M15872	M16505	M16505	M16505	M16505	M16541	M16541	M16541	
M15872	M15872	M15872	M15872	M15872	M15872	M15872	M15872	M15872	M16505	M16505	M16505	M16505	M16541	M16541	M16541	

ιL	Y156C	T271M	T278P	E283D	L358I	G393R	G418V	F474V	ட	E525V	R543C	A567T	A567T	ო	က	က			တ		,	ന		c	n		ო		m		,	က		က	
439C>T	467A>G Y	812C>T T	832A>C T	849G>C E	1072T>A	1177G>A .G	1253G>T G		435G>T	1574A>T E	627C>T R	699G>A	699G>A	998A>G	998A>G	1938T>C			1308C>T			2937T>C		F . C . C . C . C . C . C . C . C . C .	78807		3114T>C		3136T>C			3282C>A		3330G>T	
568	596	941	961	826	1201	1306 1	1382 1	_	1564 1	1703 1	1756 1		-	-	2127 1	1956 1			1550 1			3179 2			3230 2		3356 3		3378 3			3524 3		3572 3	
Butyrylcholinesterase	Acyl-Coenzyme A	dehydrogenase, C-4 to C-	12 straight chain	Human glucose	transporter-like protein-III	(GLUT3), complete cds	Human glucose	transporter-like protein-III	(SLOTS), complete cus	ransporter-like protein-ill	(GLUT3), complete cds	Human glucose	transporter-like protein-III	Human alucose	transporter-like protein-III	(GLUT3), complete cds	Human glucose	rransporrer-like protein-ill (GLUT3), complete cds	Human glucose transporter-like protein-III																
GEN-35	<b>GEN-35</b>	GEN-35	GEN-EI	J		GEN-	230	į	GEN-	230	į	230 230	i	GEN-	230	GEN-	230	i	S S	730	GEN- 230														
177400	177400	177400	177400	177400	177400	177400	177400	177400	177400	177400	177400	177400	177400	177400	177400	201450			138170			138170		0000	138170		138170		138170			138170		138170	
M16541	M16827			M20681			M20681		70000	18120081		M20681		M20681			M20681		M20681																
M16541	M16827			M20681			M20681		70000	MZUBBI		M20681		M20681			M20681		M20681																

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	Ø	D121E	Ø	T72N	တ	တ	S427L	Ø	ဟ	ဟ	ဟ	တ	w	N378D	1382T	T450S	
	294G>A	363C>A	105G>A	215C>A	444C>T	633C>T	1280C>T	147C>G	921A>G	363G>C	981T>A	1008T>C	1047T>A	1132A>G	1145T>C	1348A>T	
	331	400	121	231	460	649	1694	193	296	1009	1027	1054	1093	1178	1191	1394	
est est e	(GLUT3), complete cds Phospholipase A-2 (PLA-2)	Phospholipase A-2 (PLA-2)	Human chymotrypsinogen	Human chymotrypsinogen	Human chymotrypsinogen mRNA complete cds	Human chymotrypsinogen	Retinoic acid receptor,	Homo sapiens alpha- amylase mRNA, complete									
	GEN-3B	GEN-3B	GEN-R2	GEN-R2	GEN-R2	GEN-R2	GEN-80	GEN-R3									
	172410	172410	118890	118890	118890	118890	180190	104660	104660	104660	104660	104660	104660	104660	104660	104660	
	M21054	M21054	M24400	M24400	M24400	M24400	M24857	M24895									
	M21054	M21054	M24400	M24400	M24400	M24400	M24857	M24895	M24895 SD-144146.1								

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	1428T>C	1446C>T	1458C>T	1497G>A	1533A>G	1555T>A	1765A>G	2752T>A	2830G>A	2896T>C	17C>A	174G>A	183C>A	109G>A	438A>G
	1474	1492	1504	1543	1579	1601	1797	2758	2836	2902	56	183	192	109	438
Maria de la participación de la companya de la comp	Homo sapiens alpha- amylase mRNA, complete	Acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain.	Cytochrome P450, subfamily IIB (phenobarbital-inducible), columnia	Cytochrome P450, subfamily IIB (phenobarbital-inducible), columnia (phenobarbital-inducible), columnia de la columnia del columnia de la columnia del columnia de la columnia del columni	Cytochrome P450, subfamily IIB (phenobarbital-inducible),	Apolipoprotein A-II	Apolipoprotein A-II	Apolipoprotein A-II	Pyruvate dehydrogenase (lipoamide) beta	Pyruvate dehydrogenase (lipoamide) beta					
	GEN-R3	GEN-R3	GEN-R3	GEN-R3	GEN-R3	GEN-R3	GEN-EW	GEN-31	GEN-31	GEN-31	GEN-6R	GEN-6R	GEN-6R	GEN-19	GEN-F9
	104660	104660	104660	104660	104660	104660	201470	None	None	None	107670	0/9/01	107670	090871	179060
	M24895	M24895	M24895	M24895	M24895	M24895	M26393	M29874	M29874	M29874	M29882	MZ988Z	M29882	M34479	M34479
	M24895	M24895	M24895	M24895	M24895	M24895	M26393	M29874	M29874	M29874	M29882	M29882	M29882	W154478	M34479

3 3 3 4353N 4353N 5 5 5 7 7 8 7 8 7 8 3 3 3	က	ო	ω
1172A>C 1179C>T 1323C>A 1376G>C 1433C>T 167C>T 998T>A 1057C>A 1326G>T 1431C>T 1431C>T 1507T>C 1133T>G	1941C>G	2042C>G	186T>C
1172 1179 1323 1323 1482 1154 1213 1482 1587 1663 1208 1985	1956	2057	390
Pyruvate dehydrogenase (lipoamide) beta Pyruvate dehydrogenase (lipoamide) beta Pyruvate dehydrogenase (lipoamide) beta Pyruvate dehydrogenase (lipoamide) beta acetylcholinesterase scelylcholinesterase acetylcholinesterase acetylcholinesterase solute carrier family 2 (facilitated glucose transporter), member 5 Solute carrier family 2 (facilitated glucose transporter), member 5 Solute carrier family 2 (facilitated glucose transporter), member 5 Solute carrier family 2 (facilitated glucose transporter), member 5 Human bilirubin UDP-glucuronosyltransferase	Human bilirubin UDP- glucuronosyltransferase isozyme 1 mRNA,	complete cds Human bilirubin UDP- glucuronosyltransferase isozyme 1 mRNA,	complete cds Catechol-O- methyltransferase
GEN-F9 GEN-F9 GEN-F9 GEN-30 GEN-75 GEN-FF	GEN- 38A	GEN- 38A	GEN-3S
179060 179060 179060 179060 100740 100740 100740 100740 138230 138230 138230	191740	191740	116790 GEN-3S
M34479 M34479 M34479 M34479 M55040 M55040 M55040 M55040 M55531 M55531	M57899	M57899	M58525
M34479 M34479 M34479 M34479 M55040 M55040 M55040 M55040 M55531 M55531	M57899	M57899	M58525

Ø	A72S	w	S	M158V	M158V	Ø	Ŀ	ო	တ	ဟ	Ø	W65C	ဖ	L84F	L84F	1143V	1143V	G160R	K178R	Ø
186T>C	214G>T	.219G>A	408C>G	472A>G	472A>G	609C>T	827delC	835C>A	159C>T	159C>T	159C>T	195G>C	.249A>T	250C>T	250C>T	427A>G	.427A>G	478G>A	533A>G	567G>A
390	418	423	612	929	929	813	1031	1039	174	174	174	210	264	265	265	442	442	493	548	582
Catechol-O-	Catechol-O	Catechol-O-	Catechol-O	methyltransferase Catechol-O-	methyltransferase Catechol-O-	methyltransferase Catechol-O-	metnyliransferase Catechol-O-	Catechol-O-	methyltransferase O-6-methylguanine-DNA	O-6-methylguanine-DNA	methyltransferase O-6-methylguanine-DNA	methyltransferase O-6-methylguanine-DNA	methyltransferase O-6-methylguanine-DNA	O-6-methylguanine-DNA	O-6-methylguanine-DNA	memyliransferase O-6-methylguanine-DNA	methyltransferase O-6-methylguanine-DNA	O-6-methylguanine-DNA	Metnyltransrerase O-6-methylguanine-DNA	metnyltransferase O-6-methylguanine-DNA
GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-FL	GEN-FL	GEN-FL	GEN-FL	GEN-FL	GEN-FL	GEN-FL	GEN-FL	GEN-FL	GEN-FL	GEN-FL	GEN-FL
116790	116790	116790	116790	116790	116790	116790	116790	116790	156569	156569	156569	156569	156569	156569	156569	156569	156569	156569	156569	156569
M58525	M58525	M58525	M58525	M58525	M58525	M58525	M58525	M58525	M60761	M60761	M60761	M60761	M60761	M60761	M60761	M60761	M60761	M60761	M60761	M60761
M58525	M58525	M58525	M58525	M58525	M58525	M58525	M58525	M58525	M60761	M6Ó761	M60761	M60761	M60761	M60761	M60761	M60761	M60761	M60761	M60761	M60761

	ო	က	ო	M55L	T210S	Ś		က		ო		Y91D	ဟ	V133A	K175N	K207R	N217D	K231R	V268M
	853T>A	1086A>G	1438T>A	163A>T	628A>T	1188A>G		1710C>T		1806C>T	٠	271T>G	1533C>T	398T>C	525A>T	620A>G	649A>G	692A>G	802G>A
	852	1085	1437	172	644	1286		1808		1904		271	1533	398	525	620	649	692	802
methyltransferase	Human cytochrome P4502C9 (CYP2C9) mRNA, clone 25	Human cytochrome P4502C9 (CYP2C9) mRNA, clone 25	Human cytochrome P4502C9 (CYP2C9) mRNA clone 25	Paraoxonase 1	Glutathione S-transferase M2 (muscle)	Flavin-containing	monooxygenase 1 (DIMETHYLANILINE MONOOXYGENASE)	Flavin-containing	monooxygenasę 1 (DIMETHYLANILINE MONOOXYGENASE)	Flavin-containing	monooxygenase 1 (DIMETHYLANILINE MONOOXYGENASE)	Granulocyte colony-	sumulating factor Granulocyte colony- stimulating factor	Histamine receptor H2					
	GEN- 3C1	GEN- 3C1	GEN-	GEN-9F	GEN-9G	GEN-9H		GEN-9H		GEN-9H		GEN-3X	GEN-3X	GEN-	GEN-	GEN-	A P N S N	GEN-	GEN-
	601130	601130	601130	168820	138380	136130		136130		136130		120420	120420	None	None	None	None	None	None
	M61855	M61855	M61855	M63012	M63509	M64082		M64082		M64082		M64592	M64592	M64799	M64799	M64799	M64799	M64799	M64799
	M61855	M61855	M61855	M63012	M63509	M64082	at.	M64082		M64082		M64592	M64592	M64799	M64799	M64799	M64799	M64799	M64799

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506C>A	454G>A	385A>C	,886C>T	:891T>G	891T>G	1026A>T	1323G>A	1410C>T	1410C>T	1559A>G	(-109)G>C	210T>C		875G>A	1163C>G		1382C>T	2281A>G	)	2828G>C	3228T>C		534T>C	732C-T			1677G>T
604	547	435	936	941	941	1076	1373	1460	1460	1609	202	520		1185	1473		1692	2591	2	3138	3538		797	CUX	3		1747
Human cellular retinoic acid-binding protein II (CRABP) mRNA, complete	Human alcohol dehydrogenase 6 gene, complete cds	Monoamine oxidase A	Human E16 mRNA,	complete cds Human E16 mRNA.	complete cds	Human E16 mRNA,	complete cds Human E16 mRNA,	complete cds	Human E16 mRNA,	complete cds	complete cds	Human E16 mRNA,	complete cds Human E16 mRNA.	complete cds	Glutathione S-transferase	Momo conjens	folylpolyglutamate synthetase mRNA	complete cds	Homo sapiens folylpolyglutamate								
GEN-S1	GEN- MH7	GEN-3Z	GEN	SEN-	307	GEN-	GEN-	307	SER SER	307 N. J.	307	GEN-	3CJ GEN-	307	GEN-97	i N	403		GEN- 4C3								
180231	103735	309850	309850	309850	309850	309850	309850	309850	309850	309850	600182	600182		600182	600182		600182	600182		600182	600182		138333	136510			136510
M68867	M68895	M69226	M80244	M80244		M80244	M80244		M80244	M80244		M80244	M80244		M96234	MOROAG			M98045								
M68867	M68895	M69226	M80244	M80244		M80244	M80244		M80244	M80244		M80244	M80244		M96234	MOROAS			M98045								

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1830T>C		1830T>C	1842G>A	1925C>G	1250C>T	1651C>T	1700C>T	2745G>T	4372G>A	1823T>G
1900		1900	1912	1995	1467	1868	1917	2962	4589	1847
synthetase mRNA, complete cds Homo sapiens	folylpolyglutamate synthetase mRNA, complete cds	Homo sapiens folypolyglutamate synthetase mRNA,	Homo sapiens folypolyglutamate synthetase mRNA,	Homo sapiens folyloolyglutamate synthetase mRNA,	Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA,	Homo saplens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA,	Homo sapiens(clone 71) Miller-Dleker lissencephaly protein (LISt) mRNA,	Homo sapiens(clone 7.1) Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds	Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA,	H.sapiens mRNA for microsomal triglyceride transfer protein
GEN.	403	GEN- 4C3	GEN-	GEN- 4C3	GEN- 106	GEN- 106	GEN- 106	GEN- 106	GEN- 106	307
136510		136510	136510	136510	601545	601545	601545	601545	601545	157147
M98045 136510		M98045	M98045	M98045	L13385	L13385	L13385	L13385	L13385	X75500
M98045		M98045	M98045	M98045	MDCR	MDCR	MDCR	MDCR	MDCR .	M T P

ო	P187S	ო	ო	ω	က	Ø	w	Q38R	Ø	Ø	T94N	R167C
3207G>A	. 559C>T	1734T>G	1944C>T	330G>A	734G>C	1323C>T	1083C>T	113A>G	207C>T	258A>C	281C>A	499C>T
3231	609	1784	1994	505	606	1399	1092	128	222	273	296	514
H.sapiens mRNA for microsomal triglyceride transfer protein	NAD(P)H:menadione oxidoreductase mRNA,	NAD(P)H:menadione oxidoreductase mRNA,	NAD(P)H:menadione oxidoreductase mRNA, complete cds	Human quinone oxidoreductase (NQO2)	Human quinone oxidoreductase (NQO2)	Homo saplens integral membrane protein (NRAMP1) mRNA,	Human integral membrane protein (Nramp2) mRNA, partial	Human alpha-1 acid glycoprotein mRNA,	Human alpha-1 acid glycoprotein mRNA, complete cds	Human alpha-1 acid glycoprotein mRNA,	Human alpha-1 acid glycoprotein mRNA,	Human alpha-1 acid
GEN- 307	GEN-12L	GEN-12L	GEN-12L	GEN-XT	GEN-XT	GEN-21Y	GEN- 206	GEN- 1P5	GEN- 1P5	GEN- 1P5	GEN-	GEN.
157147	125860	125860	125860	160998	160998	600266	600523	138600	138600	138600	138600	138600
X75500	J03934	J03934	J03934	J02888	J02888	L32185	L37347	M13692	M13692	M13692	M13692	M13692
MTP	NMOR1	NMOR1	NMOR1	NMOR2	NMOR2	NRAMP1	NRAMP2	ORM1	ORM1	ORM1	ORM1	ORM1

	V174M		က		S		က		က		u	0	Ø		ဟ		တ		တ		ц,	•	က	c	n	V216L		V10L			019N	
	520G>A		639G>T		795A>G		1283C>T		1362G>A		T/0/06/	1.50(02-)	0<986		132C>T		132C>T		143-	144GT>GT	143-144delGT	1	508C>T	( ) ( )	) ) ) )	646G>T		28G>T			55G>A	
	535	•	654		849		1337		1416		4	2	231		267		267	i	278		278		643	400	3	646		34			61	
glycoprotein mRNA,	Human alpha-1 acid	glycoprotein mRNA, complete cds	Human alpha-1 acid	glycoprotein mKNA, complete cds	Human mRNA for brain	pyruvate dehydrogenase (EC 12.41)	Human mRNA for brain	pyruvate dehydrogenase	Human mRNA for brain	pyruvate dehydrogenase	(E. 1.2.4.1)	mDNA complete cds	Human RASF-A PLA2	mRNA, complete cds	Human RASF-A PLA2	mKNA, complete cds	Human RASF-A PLA2	HIRINA, complete cds	mRNA, complete cds	Pancreatic lipase (PNLIP)	(Dietary supplement)	Human pancreatic trypsin	1 (TRY1) mRNA, complete	spo	Human pancreatic trypsin 1 (TRY1) mRNA, complete	?						
1P5	GEN	1P5	GEN-	<u>5</u>	GEN-	33⊀	GEN-	337	GEN-	337	Ü	25.	GEN-	25V	GEN-	25V	GEN-	250	GEN-	250	GEN	250	GEN-	20,00	25V	GEN	48N	GEN-	26A		GEN- 26A	
	138600		138600		312170		312170		312170		172/11	1147/1	172411		172411		172411		172411		172411	;	172411	170444	1147.1	246600		276000			276000	
	M13692		M13692		X52709		X52709		X52709		NADOARD	10122430	M22430		M22430	0070074	WEE430	M93285		M22612			M22612									
	ORM1		ORM1		-PDHA1		PDHA1		PDHA1		A252A	C 25.	PLÁ2G2A		PLA2G2A		7 LA262A	PNLIP		PRSS1			PRSS1									

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E31K	Ø	G136C	w	w	Ø	T8I	V10F	D19N	E31K	တ	ဟ	က	Ø
91G>A	192C>T	406G>T	486T>C	705C>T	738T>C	23C>T	28G>T	55G>A	91G>A	192C>T	270G>A	2351C>T	927A>G
97	198	412	492	711	744	59	34	19	97	198	276	2375	1369
Human pancreatic trypsin	Human pancreatic fry 1 (TRY1) mRNA; comp	Human pancreatic trypsin 1 (TRY1) mRNA, complete	Human pancre trypsinogen (TRY2) mR	EN-Human pancreatic 2C7 trypsinogen (TRY2) mRNA,	Hum: trypsinogen (T	Hum: trypsinogen (T	EN- Human pancreatic 2C7 trypslnogen (TRY2) mRNA,	Hum: trypsinogen (T	Human PMP70 mRNA for a peroxisomal membrane	Human vešicular acetylcholine transporter			
GEN	GEN- 26A	GEN- 26A	GEN- 26A	GEN- 26A	GEN- 26A	GEN- 2C7	GEN- 2C7	GEN- 2C7	GEN- 2C7	GEN- 2C7	GEN- 2C7	GEN-392	GEN- 4F3
276000	276000	276000	276000	276000	276000	601564	601564	601564	601564	601564	601564	170995	600336
M22612	M22612	M22612	M22612	M22612	M22612	M27602	M27602	M27602	M27602	M27602	M27602	X58528	U09210
PRSS1	PRSS1	PRSS1	PRSS1	PRSS1	PRSS1	PRSS2	PRSS2	PRSS2	PRSS2	PRSS2	PRSS2	PXMP1	SLC18A3

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	1125C>G	1638G>T	1757G>A	1907G>T	2216C>T	1898C>T	(-721)T>G	(-583)C>T	597C>T	969C>T	1425G>C	2141T>C
	1567	2080	2199	2349	2226	1917	929	814	1993	2365	2821	3537
mRNA, complete cds	Human vesicular acetylcholine transporter	mRNA, complete cds Human vesicular acetylcholine transporter	Human vesicular acetylcholine transporter	Human vesicular acetylcholine transporter mRNA complete cds	Human Na+/glucose cotransporter 1 mRNA,	Homo sapiens dopamine transporter mRNA, complete cds	Human acyl coenzyme Acholesterol acyltransferase mRNA,	Human acyl coenzyme Ascholesterol acyltransferase mRNA,	Human acyl coenzyme A:cholesterol acyltransferase mRNA,	Human acyl coenzyme A:cholesterol acyltransferase mRNA,	Human acyl coenzyme A:cholesterol acyltransferase mRNA,	Human acyl coenzyme A:cholesterol
	GEN- 4F3	GEN- 4F3	GEN- 4F3	GEN- 4F3	GEN- 28S	GEN-283	GEN- 25C	GEN- 25C	GEN- 25C	GEN- 25C	GEN- 25C	GEN- 25C
	600336	600336	600336	600336	182380	126455	102642	102642	102642	102642	102642	102642
	U09210 600336	U09210	U09210	U09210	M24847 182380	L24178	L21934	L21934	L21934	L21934	L21934	L21934
	SLC18A3	SLC18A3	SLC18A3	SLC18A3	SLC5A1	SLC6A3	SOAT	SOAT	SOAT	SOAT	SOAT	SOAT

V16A V379I S S S A665T S S S S S S	L303F
A A A A A A A A A A A A A A A A A A A	
40C>G 47T>C 194C>A 245T>C 973C>T 272C>T 1156G>A 1158G>T 1812G>A 1993G>A 2059C>T 2059C>T 2059C>T 2059C>T	909G>T
1042 1042 1042 1163 1186 1186 1186 2021 2021 2019	1239
acyltransferase mRNA, complete cds human mRNA for manganese superoxide dismutase (EC 1.15.1.1) Human extracellularsuperoxide dismutase (SOD3) mRNA, complete CDS H.sapiens TAP2B mRNA, complete CDS Human thyroxine-binding	globulin mRNA, complete cds Human thyroxine-binding globulin mRNA, complete cds Human transcobalamin II
GEN- 1ES 1ES 1ES 1ES GEN- GEN-UA GEN-UA GEN- 28P GEN-UA GEN- 28P GEN- 28P GEN- 28P GEN- 28P GEN- 28P GEN- 28P GEN- 28P GEN- 28P GEN- 38P GEN- 48P GEN- 68P G	GEN- 100 100 6EN-
147460 147460 147460 147460 167790 170261 170261 170261 170261 314200	314200
X07834 X07834 X07834 X07834 Y00705 Z22935 Z22935 Z22935 Z22935 Z22935	M14091
SOD2 SOD2 SOD2 SOD3 SOD3 TAP2 TAP2 TAP2 TAP2 TAP2 TAP2 TAP2	1CN 2

3 A154T Y240C 3	o eo (	F8940 S &	ო ო	ო ო	တတ္ကက.
1728T>C 460G>A 719A>G 1009T>C	1297G>A	2681T>G 3637G>A 600C>T	933T>C 1936C>T	2180G>A 2221G>A	519G>A 1155C>T 1482G>C 1708C>G
1765 536 795 1085	1373	2681 3637 · 683	1016	2221	763 1399 1726 1952
(TCII) mRNA, complete cds Human transcobalamin II (TCII) mRNA, complete cds Human thiopurine methyltransferase (TPMT) mRNA, complete cds Human thiopurine	methyltransferase (TPMT) mRNA, complete cds Human thiopurine methyltransferase (TPMT) mRNA, complete cds	Homo sapiens tripeptidyl peptidase II mRNA, 3 end Homo sapiens tripeptidyl peptidase II mRNA, 3 end Fms-related tyrosine kinase 3 linand	Fms-related tyrosine kinase 3 ligand kinase 3 ligand Human N-acetylgalactosamine 6-sulphatase (GALNS) gene	Human N- acetylgalactosamine 6- sulphatase (GALNS) gene Human N- acetylgalactosamine 6- sulphatase (GAI NS) gene	Orphan receptor Orphan receptor Orphan receptor Orphan receptor
GEN TYPE SEN 3AX GEN TYPE SEN	GEN-	GEN- GEN- GEN- GEN- GEN-	GEN- MDM MP3	GEN- MP3	GEN-7M GEN-7M GEN-7M GEN-7M
275350 187680 187680 187680	187680	190470 190470 600007	600007	253000	600380 600380 600380 600380
M60396 U12387 U12387 U12387	U12387	M55169 M55169 U03858	U06088	U06088 U06088	U07132 U07132 U07132 U07132
TPMT TPMT TPMT	TPMT	TPP2 TPP2 U03858	U03858 U06088	U06088	U07132 U07132 U07132 U07132

P156R	w	တ	w	C29R	C29R	M166V	Y186C	1543V	က	က	က	ო	က	47	Ţ.	ω
467C>G	496C>T	519C>T	1452T>C	85T>C	85T>C	496A>G	557A>G	1627A>G	3351T>C	3649G>A	3844A>G	3856T>C	2634T>C	10001	2007	375G>A
584	613	684	1617	166	166	277	638	1708	3432	3730	3925	3937	2681	140	<u>.</u>	402
Human nicotinamide N-methyltransferase (NNMT) mRNA, complete cds	Human nicotinamide N-methyltransferase (NNMT)	Human glutamate transporter mRNA, complete cds	Human glutamate transporter mRNA, complete cds	Dihydropyrimidine	Dihydropyrimidine Dehydrogenase	Dihydropyrimidine	Dihydropyrimidine	Dihydropyrimidine Dobydrogongo	Dihydropyrimidine	Dihydrogenase Dihydropyrimidine	Dehydrogenase Dihydropyrimidine	Dihydropyrimidine	Dehydrogenase Human aldehyde	mRNA, complete cds	CoA hydratase-like protein (HPXEL) mRNA, complete cds	Human peroxisomal enoyl- CoA hydratase-like protein (HPXEL) mRNA, complete cds
GEN- 1FG	GEN- 1FG	GEN- CBZ	GEN- CBZ	GEN-HA	GEN-HA	GEN-HA	GEN-HA	GEN-HA	GEN-HA	GEN-HA	GEN-HA	GEN-HA	GEN-1JF	C.	170	GEN- 17D
800009	800009	133550	133550	274270	274270	274270	274270	274270	274270	274270	274270	274270	600466	800808		969009
U08021	U08021	008989	008989	U09178	U09178	U09178	U09178	U09178	U09178	U09178	U09178	U09178	U10868	114880		U16660
U08021	U08021	008989	U08989	U09178	U09178	U09178	U09178	U09178	U09178	U09178	U09178	009178	U10868	14880		U16660
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P259A	က	V378M	Ø	V669M	R687C	ω	က	S	R27H	R27H	Ø	ဟ
775C>G	1130G>A	1132G>A	1641C>T	2005G>A	2059C>T	2121C>T	2202A>G	(-43)T>C	80G>A	80G>A	246C>G	696C>T
802	1157	1161	1670	2034	2088	2150	2231	53	175	175	341	791
Human peroxisomal enoyl- CoA hydratase-like protein (HPXEL) mRNA, complete cds	Human peroxisomal enoyl- CoA hydratase-like protein (HPXEL) mRNA, complete	Human GABA/noradrenaline transporter mRNA, complete cds	GABA/noradrenaline transporter mRNA, complete cds	Human GABA/noradrenaline transporter mRNA, complete cds	Human GABA/noradrenaline transporter mRNA, complete cds	GABA/noradrenaline transporter mRNA,	GABA/noradrenaline transporter mRNA, complete cds	Folate Transporter (SLC19A1)	Folate Transporter (SLC19A1)	Folate Transporter (SLC19A1)	Folate Transporter (SLC19A1)	Folate Transporter
GEN- 17D	GEN- 1YD	GEN- 20X	GEN- 20X	GEN- 20X	GEN- 20X	GEN- 20X	GEN- 20X	GEN-11	GEN-11	GEN-11	GEN-11	GEN-11
969009	969009	300036	300036	300036	300036	300036	300036	600424	600424	600424	600424	600424
U16660	U16660	U17986	U17986	U17986	U17986	U17986	U17986	U19720	U19720	U19720	U19720	U19720
U16660	U16660	U17986	U17986	U17986	U17986	U17986	U17986	U19720	U19720	U19720	U19720	U19720

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	972G>A	2100 2005^2006ins G	2487T>G	2487T>G	2522C>T	2522C>T	2557T>C	627C>T		1136T>C		335C>T	28RTSC	0000	1069C>T	2255C>T		2040G>A		2094A>C		2297A>C
	1067	2100	2582	2582	2617	2617	2652	631		1297		335	286	9	1069	2841		2417		2471		2674
(SLC19A1)	Folate Transporter (SLC19A1)	Folate Transporter (SLC19A1)	Folate Transporter	Folate Transporter (SLC19A1)	Folate Transporter (SLC19A1)	Folate Transporter (SLC19A1)	Folate Transporter (SLC19A1)	Human	preprocarboxypeptidase A2 (proCPA2) mRNA,	Human platelet-activating	factor acetylhydrolase mRNA, complete cds	Glucocorticoid receptor	alpha alpha	ender biodinocomio	Glucocorticoid receptor	Human pephBGT-1 betaine-GABA transporter	mRNA, complete cds	Human gamma- aminobutvraldehyde	dehydrogenase mRNA,	Human gamma-	aminobutyraldehyde dehydrogenase mRNA, complete cds	Human gamma- aminobutyraldehyde
	GEN-11	GEN-11	GEN-11	GEN-11	GEN-11	GEN-11	GEN-11	GEN-	220	601690 GEN-234		GEN-82	Calvac	20-NIB	GEN-82	GEN-		GEN-	)	GEN-	302	GEN- 305
	600424	600424	600424	600424	600424	600424	600424	600688		601690		138040	138040	130040	138040	603080		602733		602733		602733
	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19977		U20157		U25029	1125020	020029	U25029	U27699		U34252		U34252		U34252
	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19977		U20157		U25029	1125020	023023	U25029	U27699		U34252		U34252		U34252

က	N280D	ო	က	က	က	Ø	ю	က	C6R	A31T	T1511	က
2299A>C	838A>G	2451T>C	2538T>C	2700T>G	2945A>G	333G>C	1540C>T	2249A>T	16T>C	91G>A	452C>T	1102A>G
2676	1006	2619	2706	2727	2972	338	1545	2868	75	150	511	1161
dehydrogenase mRNA, complete cds Human gamma- aminobutyraldehyde dehydrogenase mRNA,	Human RACH1 (RACH1)	Human RACH1 (RACH1)	mKNA, complete cds Human RACH1 (RACH1)	mKNA, complete cds Heparan N-deacetylase/N-	Heparan N-deacetylase/N-sulfotransferase-2	Human cytochrome P450 monooxygenase CYP2J2	Human cytochrome P450 monooxygenase CYP2J2 mRNA complete cds	H	Homo sapiens human gamma-giutamyi hydrolase (hGH) mRNA, complete	Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete	Homo sapiens human gamma-glutamyi hydrolase (hGH) mRNA, complete	Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete cds
GEN- 305	GEN-	GEN	GEN-	GEN-IR	GEN-IR	GEN- 2NS	GEN- 2NS	GEN- 34A	GEN- 35Z	GEN- 35Z	GEN- 35Z	GEN- 35Z
602733	111000	111000	111000	603268	603268	601258	601258	109190	None	None	None	None
U34252	U35735	U35735	U35735	U36601	U36601	U37143	U37143	U53347	U55206	U55206	U55206	U55206
U34252	U35735	U35735	U35735	U36601	U36601	U37143	U37143	U53347	U55206	U55206	U55206	. U55206

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2615T>G	2748T>A	2817A>G	3080A>G	3080A>G	3162A>G	3164A>G	3503T>A	1930G>A			1811G>A			18187			1867T>C			1562G>C		1	771C>T	-	
2706	2839	2908	3171	3171	3253	3255	3594	2095			1989			1008	2		2045			1624			1146		
prostaglandin transporter hPGT	prostaglandin transporter hPGT	prostaglandin transporter hPGT	prostaglandin transporter hPGT	Homo sapiens	monocarboxylate transporter homologue MCT6 mRNA, complete	cds	Human placental	equilibrative nucleoside	transporter 1 (hENT1)	Himan placental	equilibrative nucleoside	transporter 1 (hENT1)	Himan placental	equilibrative nucleoside	mRNA, complete cds	Homo saplens	monocarboxylate transporter (MCT3) mRNA,	complete cds	Homo sapiens hydroxysteroid	sulfotransferase SULT281a (HSST2)					
GEN-4S	GEN-4S	GEN-4S	GEN-4S	GEN-4S	GEN-4S	GEN-4S	GEN-4S	GEN	<u>a</u>		GEN-	300		N U	300		SEN.	300		GEN	3WB	í	47C		
601460	601460	601460	601460	601460	601460	601460	601460	None			602193			602103	200		602193			None			604125		
U70867	U70867	U70867	U70867	U70867	U70867	U70867	U70867	U79745			<b>U81375</b>			1181375			U81375			U81800		*******	092314		
U70867	U70867	U70867	U70867	U70867	U70867	U70867	U70867	U79745			U81375			1181375			U81375			U81800		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	092314		

		Ø		Ø		S	5	G121E	D131G	)	တ	L351W	1,000	7084 T	တ	F533S	v	) (	တ	<i>හ</i>	c	า	•	m	L36P	
		789C>T		903T>C		T<5(6-)	(-4)C>G	362G>A	392A>G	) i	1051T>C	1052T>G	( ) ( ) ( ) ( )	1492A>C	1494C>A	1598T>C	1668C>T		1680G>A	1887T>A	0	769697		550A>C	107T>C	
		1164		1278		34	36	401	431	2	1090	1091	1634	250	1533	1637	1707		1719	1926	Ċ	320	;	614	107	
9 18 % 18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- Januar Januar Si	mRNA, complete cds Homo sapiens	sulfotransferase SULT2B1a (HSST2)	mkiva, complete cds Homo sapiens hydroxysteroid	SULT2B1a (HSST2)	Human messenger RNA	for serum albumin (HSA) Human messenger RNA	for serum albumin (HSA) Human messenger RNA	for serum albumin (HSA) Human messenger RNA	for serum albumin (HSA)	Human messenger RNA	for serum albumin (HSA) Human messenger RNA	for serum albumin (HSA)	for serum albumin (HSA)	Human messenger RNA	Human messenger RNA	for serum albumin (HSA) Human messenger RNA	for serum albumin (HSA)	Human messenger RNA	Human messenger RNA	for serum albumin (HSA)	metallothionein from	cadmium-treated cells	Superoxide dismutase 1	Human mRNA for alpha 1-	Files
		GEN-	0/4	GEN- 47U		GEN-TL	GEN-TL	GEN-TL	GEN-TL		GEN-TL	GEN-TL	F	קבוא- ור ביי	GEN-TL	GEN-TL	GEN-TI		GEN-1L	GEN-TL	200	ב ה ה		GEN-KM	GEN-PH	
		604125		604125		103600	103600	103600	103600		103600	103600	402800	000001	103600	103600	103600		103600	103600	70000	000001		147450	107400	
		U92314		U92314		V00494	V00494	V00494	V00494		V00494	V00494	70070	V 00484	V00494	V00494	V00494		V00494	V00494	70007	V00084		X02317	X02920	
		U92314		U92314		V00494	V00494	V00494	V00494		V00494	V00494	70070	V00484	V00494	V00494	V00494		V00494	V00494	¥02007	4000a4		X02317	X02920	

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S46N	<u>.</u>	Ø	E109D		. ო	ო	ო	P34S	0,00	C424	ட	L91V	מאַמ	<u> </u>	တ	တ		တ	တ	ı	L	
137G>A		195C>T	327A>C	555G>A	1204C>T	3432T>C	3651C>A	100C>T		X/9+7.	137^138insT	271C>G	0.44.90	0	294C>G	336C>T		408G>C	408G>C	į	454del1	
137	2	195	327	586	1235	3732	3951	100	Ç	<del>1</del> 71	137	271	200	104	294	336		408	408	į	454	
antitrypsin carboxyterminal region (aa 268-394) Human mRNA for alpha:1-	antitrypsin carboxyterminal region (aa 268-394)	Human mRNA for alpha 1- antitrypsin carboxyterminal	region (aa 268-394) Human mRNA for alpha 1-	antitrypsin carboxyterminal region (aa 268-394) Human mRNA for	granulocyte colony- stimulating factor (G-CSF) Human mRNA for	granulocyte colony- stimulating factor (G-CSF) Colony stimulating factor 1	receptor Colony stimulating factor 1	receptor Human mRNA for	cytochrome P450 db1	cytochrome-P450 db1	Human mRNA for	cytochrome P450 db1 Human mRNA for	cytochrome P450 db1	cytochrome P450 db1	Human mRNA for	cytochrome P450 db1 Human mRNA for	cytochrome P450 db1	Human mRNA for	Human mRNA for	cytochrome P450 db1	Human mKNA for cytochrome P450 db1	
G P P P		GEN-PH	GEN-PH	GEN-PM	GEN-PM	GEN-51	GEN-51	GEN-	1FE	7 17 17 17	GEN-	GEN-	FE	15E	GER-	GEN	1FE	GEN-	GEN	15. 19. 19.	GEN-	
107400		107400	107400	138970	138970	164770	164770	None	9		None	None	000		None	None		None	None	2	None	
02820X		X02920	X02920	X03438	X03438	X03663	X03663	X08006	90000	90000	X08006	X08006	SOCIAL		X08006	X08006		X08006	X08006	0000	30080X	
06860X		X02920	X02920	X03438	X03438	X03663	X03663	X08006	800000	00000	X08006	X08006	accacx	0000	90080X	X08006		90080X	X08006		X08006	
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щ	G212E		L231P		တ		ш		S		M279K		တ		K281del		ဟ			K281del		N285S		R296C		H324P	V370I		S		L421P		တ		S486T	S486T	
505G>T	635G>A		692T>C		696T>C		775delA		801C>A	_	836T>A		839-	841AGA>AG	839-	841delAGA	840-	842GAA>GA	∢	. 840-	842delGAA	854A>G		886C>T		971A>C	1108G>A		1203G>A		1262T>C		1401G>C		1457G>C	1457G>C	
505	635		692		969		775		801		836		839		839		840			840		854		886	į	971	1108		1203		1262		1401		1457	1457	
Human mRNA for	cytochrome P450 db1 Human mRNA for	cytochrome P450 db1	Human mRNA for	cytochrome P450 db1	. D.	Human mRNA for	cytochrome P450 db1	Human mRNA for	cytochrome P450 db1	Human mRNA for	cytochrome P450 db1	Human mKNA for	Human mRNA for	cytochrome P450 db1	Human mRNA for	Human mRNA for																					
GEN	GEN-	<del>1</del>	GEN-	1 1 1 1	GEN-	17 11	GEN	1FE	GEN-	1FE	GEN	1FE	GEN-	1FE	GEN-	1FE	GEN-	17E	i	GEN-	1FE	GEN-	1FE	GEN-	1FE	- - - - - - - - - - - - - - - - - - -	GEN	11	GEN-	17F	GEN-	1FE	GEN-	1FE	GEN-	GEN-	
None	None		None	,	None		:	None		None		None		None	None		None		None	:	None	:	None	None													
90080X	X08006		X08006		X08006		3080X		X08006			X08006		X08006		X08006		208006	90080X		X08006		X08006		30080X		90080X	X08006									
90080X	X08006		X08006		X08006		X08006		X08006		X08006		X08006		X08006		X08006			X08006		X08006		X08006		YOROOP	X08006		X08006		X08006		30080X		X08006	X08006	

	ည	T187S	1193V	F203L	S252A	1431T	က	တ	တ	E145Q	K186E	Ø	R264C	R264C
	(-26)G>C	559A>T	577A>G	607T>C	754T>G	1292T>C	2120G>A	18G>T	405T>C	433G>C	556A>G	240A>G	790C>T	790C>T
	44	628	646	676	823	1361	2189	24	441	469	269	364	914	914
cytochrome P450 db1	Human mRNA for cytochrome P-450 (cyp3	Human mRNA for cytochrome P-450 (cyp3	Human mRNA for cytochrome P-450 (cyp3	Human mRNA for cytochrome P-450 (cyp3)	Human mRNA for cytochrome P-450 (cyp3	Human mRNA for cytochrome P-450 (cyp3 locus)	Human mRNA for cytochrome P-450 (cyp3	Human mRNA for preprokallikrein (EC 3.4.21)	Human mRNA for preprokallikrein (EC 3.4.21)	Human mRNA for preprokallikrein (EC 3.4.21)	Human mRNA for	Cytochrome P450, subfamily XIX (archingle) (archingle) (archingle) (archingle) (archingle) (archingle)	Cytochrome P450, subfamily XIX (aromatization of	Cytochome P450, subfamily XIX (aromatization of
1FE	GEN-	GEN-	GEN-	GEN-	GEN-	GEN-	GEN-	GEN-	GEN-	GEN- FOT-	GRA	GEN-56	GEN-56	GEN-56
	X12387 124010	124010	124010	124010	124010	124010	124010	147910	147910	147910	147910	107910	107910	107910
	X12387	X12387	X12387	X12387	X12387	X12387	X12387	X13561	X13561	X13561	X13561	X13589	X13589	X13589
	X12387	X12387	X12387	X12387	X12387	X12387	X12387	X13561	X13561	X13561	X13561	X13589	X13589	X13589

			100 S 2003 100 S			-	SD-144146.1
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တ	156G>T	177	H.saplens ttr mRNA for transthyretin	GEN-RU	176300	X59498	X59498
G24D	71G>A	95	H.sapiens ttr mRNA for	GEN-RU	176300	X59498	X59498
D697G	2090A>G	2120	H.sapiens RING4 cDNA	GEN-	170260	X57522	X57522
1393V	1177A>G	1207	DASSES H.sapiens RING4 cDNA	GEN-	170260	X57522	×57522
י	0	955	sequence a mRNA (locus	36T		661000	8810CV
ന	1669G>A	1744	Retinoid X receptor, alpha	GEN-74	180245	X52773	X52773
F355C	1064T>G	1064	Human mRNA for cytochrome P-450HP	GEN-	124075	X16699	X16699
က	1688C>A	1697	Human CYP2A4 mRNA for P-450 IIA4 protein	9 9 9 9 9 9 9 9 9	122720	X13930	X13930
က	1668C>G	1677	Human CYP2A4 mRNA for	S S S	122720	X13930	X13930
က	1666A>T	1675	P-450 IIA4 protein Human CYP2A4 mRNA for	GEN - 5	122720	X13930	X13930
ဟ	1476G>T	1485	P-450 IIA4 protein Human CYP2A4 mRNA for	6 6 5 5	122720	X13930	X13930
တ	1137G>A	1146	P-450 IIA4 protein Human CYP2A4 mRNA for	GEN-	122720	X13930	X13930
V355M	1063G>A	1072	P-450 IIA4 protein Human CYP2A4 mRNA for	6 5 5	122720	X13930	X13930
R88K	263G>A	272	P-450 IIA4 protein Human CYP2A4 mRNA for	6. 6. 4.	122720	X13930	X13930
ဟ	246T>C	255	P-450 IIA4 protein Human CYP2A4 mRNA for	6EN-	122720	X13930	X13930
ဟ	51A>G	09	(aromatization of androgens) Human CYP2A4 mRNA for	S	122720	X13930	X13930
ю	1672G>T	1796	androgens) Cytochrome P450, subfamily XIX	GEN-56	107910	X13589	X13589
			subfamily XIX (aromatization of				
٣	1531C>T	1655	androgens)	, NE	107010	X12580	X13590

S120F	2	ß	A272V	A272V	w	A351S	T375M	Ø	S	P427T	ဟ	V435A	ω
359C>T	(-257)G>A	(-23)C>T	815C>T	815C>T	1041C>T	1051G>T	1124C>T	1233G>A	1266C>T	1279C>A	1293C>T	1304T>C	1425A>G
380	102	336	1173	1173	1399	1409	1482	1591	1624	1637	1651	1662	1783
H.sapiens ttr mRNA for	transthyretin Human mRNA for pancreatic gamma-	Human mRNA for pancreatic gamma-	Human mRNA for pancreatic gamma-	Human mRNA for pancreatic gamma-	Human mRNA for panceatic gamma-	Human mRNA for pancreatic gamma-	Human mRNA for pancreatic gamma- glutamytransferase						
GEN-RU	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN-	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN-	GEN- 3AJ
176300	231950	231950	231950	231950	231950	231950	231950	231950	231950	231950	231950	231950	231950
X59498	69009X	K60069	X60069	69009X	69009X	X60069	69009X						
X59498	X60069	69009X	69009X	69009X	69009X	X60069	X60069	X60069	X60069	X60069	X60069	69009X	\$6009X

T479M	w	Ø	T550M	S558L	Ø	ဗ	က	ო	ဟ	က	ဟ	A14T	K23E	w
1436C>T	1437G>A	1623C>T	1649C>T	1673C>T	1689C>T	1789C>T	1818C>T	1866C>A	1506C>T	2704G>A	1152T>C	40G>A	67A>G	102C>T
1794	1795	1981	2007	2031	2047	2147	2176	2224	1516	2714	1331	63	06	125
Human mRNA for pancreatic gamma-	Human mRNA for pancreatic gamma-	Human mRNA for pancreatic gamma-	Human mRNA for panceatic gamma-	Human mRNA for pancreatic gamma-	Human mRNA for pancreatic gamma-	Human mRNA for pancreatic gamma-	Human mRNA for panceatic gamma-	Human mRNA for pancreatic gamma-	H.sapiens UGT2BIO mRNA for udp	H.sapiens UGT2BIO mRNA for udp	MHC class I promoter binding protein	H. sapiens mRNA for metallothionein	H.sapiens mRNA for metallothionein	H.sapiens mRNA for metallothionein
GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3DC	GEN- 3DC	GEN-75	GEN-	GEN	GEN- 3EQ
231950	231950	231950	231950	231950	231950	231950	231950	231950	600070	600070	180246	156351	156351	156351
69009X	69009X	69009X	69009X	69009X	69009X	69009X	69009X	69009X	X63359	X63359	X63522	X64177	X64177	X64177
X60069	X60069	69009X	69009X	69009X	69009X	69009X	69009X	69009X	X63359	X63359	X63522	X64177	X64177	X64177

ဟ	1497	Ø	V59I	M3121	က	ო	ო	T79M	<b>ო</b>	တ	Ø	A271S	Y528H	Ø	ဟ	T130N
108T>C	145A>G	159G>A	175G>A	936G>C	895T>C	824T>C	1340G>A	236C>T	914A>G	1302C>T	1842C>A	811G>T	1582T>C	558C>T	3888C>G	389C>A
131	168	182	240	949	895	824	1725	364	950	1394	1934	848	1652	630	3951	431
H.sapiens mRNA for	metallothionein H.sapiens mRNA for metallothionelo	H.sapiens mRNA for metallothionein	H.sapiens mRNA for Sadenosylmethionine	H.sapiens mRNA for peroxisomal acyl-CoA	H.sapiens mRNA for aryl sulfotransferase (ST1A2)	H.sapiens GSTT1 mRNA	H.sapiens mRNA for	H.saplens mRNA for I-15P	H.sapiens mRNA for Glyoxalase II	H.sapiens mRNA for Branched chain Acyl-CoA	H.sapiens mRNA for Branched chain Acyl-CoA	H.saplens mRNA for canalicular multidrug resistance protein	H.sapiens mRNA for	H.sapiens mRNA for organic cation transporter,	Human xanthine dehydrogenase (XDH)	Cytochrome P450, subfamily IIC (mephenytoin
GEN-	GEN-	SEN CHES	GEN-31R	GEN- 3KS	GEN- LVF	GEN- 377	GEN-	GEN-	GEN-477	GEN- 49Y	GEN- 49Y	GEN- 4AM	GEN-	GEN-	GEN-194	GEN-9N
156351	156351	156351	601468	None	601292	600436	602110	600422	138760	601641	601641	601107	300003	602607	278300	601129
X64177	X64177	X64177	X68836	X71440	X78282	X79389	X86681	X90908	66606X	X95190	X95190	X96395	X97868	X98332	U06117	Y00498
X64177	X64177	X64177	X68836	X71440	X78282	X79389	X86681	X90908	66606X	X95190	X95190	X96395	X97868	X98332	XDH	Y00498

1	o (	H150R	K160N	w	w	V181I	I264M	Ø	ო							
	447T>C	449A>G	480G>T	483T>C	540C>T	541G>A	792C>G	957C>G	1497T>C							
;	489	184	522	525	582	583	834	666	1539							
4-hydroxylase)	Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase)	Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase)	Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase)	Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase)	Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase)	Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase)	Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase)	Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase)	Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase)	·				e de tace Til terre e signer Personalita		in the second se
i	GEN-9N	20 20 20 20 20 20 20 20 20 20 20 20 20 2	GEN-9N	*					···· * · · ·	v M - 1						
		671109	601129	601129	601129	601129	601129	601129	601129							
	Y00498	100498	Y00498													
	Y00498	100498	Y00498	Table 15. Identified	In Genes for	Pathways Identified In	Inflammati on and	Immune Disease	SD-144146.1							

	ო	ო	က	ო	က	ო	P122L	w	ဟ	P214L	က	S	ဟ	က	က	က
	364C>T	2131A>T	489G>A	736T>G	3854A>G	1482G>A	365C>T	381G>A	624A>G	641C>T	1161T>C	435C>T	1638G>A	2250G>A	2442C>T	2906A>G
	427	2185	627	794	3854	1492	365	381	624	641	1161	545	1748	2360	2552	3016
n un vertronale al vilació En el Servicio en entre france y espe en	Homo sapiens mRNA for CC chemokine, complete cds	Homo sapiens mRNA for TRAF5, complete cds	Human mRNA for EBI1- ligand chemokine, complete cds	Homo sapiens mRNA for SLC, complete cds	Homo sapiens mRNA for KIAA0873 protein, partial cds	Homo sapiens chromosome 19, cosmid F20237	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4: P2RX4	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 4: P2RX4	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL 4: P2RX4	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL 4: P2RX4	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL 4: P2RX4	K+ channel (KvLQT1)				
	GEN- 16K	GEN-161	GEN- 14F	GEN-	GEN- CAX	GEN- ML4	GEN-16J	GEN-16J	GEN-16J	GEN-16J	GEN-16J	GEN-	GEN-	GEN-	GEN-	GEN GEN GEN GEN GEN GEN GEN GEN GEN GEN
	None	602356	602227	602737	None	None	600846	600846	600846	600846	600846	192500	192500	192500	192500	192500
	AB00022	AB00050 9	AB00088	AB00240	AB02068 0	AC00577 5	AF000234	AF000234	AF000234	AF000234	AF000234 AF000234	AF000571	AF000571	AF000571	AF000571	AF000571
	AB00022	AB00050	AB00088	AB00240	AB02068 0	AC00577 5	AF000234	AF000234	AF000234	AF000234	AF000234	AF000571	AF000571	AF000571	AF000571	AF000571

	က	Ø	ω	ß	H270D	ω	L32P	A67V	ო	Ø	F330S	E352Q	က	
	2963A>G	1038T>C	384G>A	(-1)G>A	808C>G	915G>A	95T>C	200C>T	1258G>C	987T>C	989T>C	1054G>C	1285G>A	
	3073	1044	432	75	808	918	234	339	1397	1023	1025	1090	1321	
	K+ channel (KvLQT1)	Homo sapiens p38beta2 MAP kinase mRNA, complete cds	Homo saplens stress- activated protein kinase 4 mRNA, complete cds	Homo sapiens MAP kinase kinase Jnkk2 mRNA, complete cds	Homo sapiens apoptotic caspase Mch5-beta mRNA, alternatively spliced, complete cds	Homo sapiens apoptotic caspase Mch5-beta mRNA, alternatively spliced, complete cds	Homo sapiens death receptor 5 (DR5) mRNA, complete cds	Homo sapiens death receptor 5 (DR5) mRNA, complete cds	Homo sapiens death receptor 5 (DR5) mRNA, complete cds	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL. 5: P2RX5	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5: P2RX5	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5	PURINERGIC RÉCEPTOR P2X, LIGAND-GATED ION CHANNEL, 5; P2RX5	
150	GEN- 15U	GEN- 18T	GEN-UX	GEN-YA	GEN- 1HV	GEN- 1HV	GEN- 1Z2	GEN- 1Z2	GEN- 122	GEN-	GEN- 1NE	GEN- 1NE	GEN- 1NE	
	192500	602898	602899	603014	601763	601763	None	None	None	602836	602836	602836	602836	
	AF000571	AF001174	AF004709	AF006689	AF009620	AF009620	AF012535	AF012535	AF012535	AF016709	AF016709	AF016709	AF016709	
	AF000571 AF000571	AF001174	AF004709	AF006689	AF009620 AF009620	AF009620	AF012535 AF012535	AF012535	AF012535	AF016709	AF016709	AF016709	AF016709	

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1388C>G	1476G>A	1707A>G	1822A>G	781G>A	883C>A	387A>G	1/134T>C	1136T>G	1169A>G	1068A>G	929C>T	366G>A	273G>A	295G>C
1424	1512	1743	1858	781	883	455	1202	1204	1237	1068	1011	527	273	295
PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL 5: P2RX5	PURII P2X,	PURII P2X,	PURII P2X,	Hom	Homo si bind	Homo sapiens death receptor 3 beta (DR3) mRNA complete cds	Homo sapiens death receptor 3 beta (DR3)	Homo sapiens death receptor 3 beta (DR3)	Homo sapiens death receptor 3 beta (DR3)	Histamine receptor H1	Homo sapiens decoy receptor 2 mRNA, complete cds	Homo sapiens integrin alpha-7 mRNA, complete	Homo sapiens clone 23 mRNA, partial	Ното sa
GEN- 1NE	GEN-	GEN-	GEN- 1NE	GEN- 2A5	GEN- 2A5	GEN- 26S	GEN- 26S	GEN- 26S	GEN- 26S	GEN- 26W	GEN-	GEN- 2NO	GEN-2IH	GEN-21H
602836	602836	602836	602836	603167	603167	None	None	None	None	600167	None	600536	191130	191130
AF016709 AF016709	AF016709 AF016709	AF016709	AF016709	AF021792	AF021792 AF021792	AF026070 AF026070	AF026070	AF026070 AF026070	AF026070	AF026261	AF029761	AF032108	AF035316	AF035316
AF016709	AF016709	AF016709	AF016709	AF021792	AF021792	AF026070	AF026070	AF026070	AF026070	HRH1	AF029761	ITGA7	TUBB	TUBB

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	T1011	ဗ	Ø		ო			တ			က			ო		,	ო		တ			တ		S		D34N	V98L	N144Y
	302C>T	1059G>A	2436T>C		1709T>G		:	1491T>C			1902T>G			1663G>A			1680A>T		1860T>C			621G>A		654C>T		100G>A	292G>T	430A>T
	302	1059	2787		1840			1551			2086			1972			1989		1980			1038		1071		149	341	479
ANO MAINTENANT OF THE PROPERTY	Homo sa	Homo sapiens clone 23678	Homo sapiens calcium-dependent chloride	channel-1 (nCLCA1) mRNA, complete cds	Homo sapiens Shab-	channel alpha subunit	(KCNS3) mRNA, complete cds	Homo sapiens cGMP-	specific phosphodiesterase (PDE9A2) mRNA,	complete cds	Homo sapiens	osteoprotegerin ligand	mKNA, complete cds	Homo sapiens cytosolic	phospholipase A2-gamma	mKNA, complete cds	Homo sapiens cytosolic	mRNA, complete cds	Homo saplens	hyperpolarization-activated	partial cds	Homo saplens RFXANK	(RFXANK) mRNA,	Homo sapiens RFXANK	(RFXANK) mRNA,	Complete cus Lipocortin II (Annexin II)	Lipocortin II (Annexin II)	Lipocortin II (Annexin II)
	GEN-21H	GEN-2IH	GEN- MQY		GEN-	<b>{</b>		GEN-	997 1		GEN-	MM2		GEN-	Š	i	GEN-	3	GEN-	Z		GEN-	LSB	GEN-	LSB	GEN-2D	GEN-2D	GEN-2D
	191130	191130	603906		603888			602973			None			None			None		None			None		None		151740	151740	151740
	TUBB AF035316	AF035316	AF039400 AF039400		AF043472 AF043472			AF048837 AF048837			AF053712 AF053712			AF058921			AF058921		AF065164 AF065164			AF094760 AF094760		AF094760		D00017	D00017	D00017
	TUBB	TUBB	AF039400		AF043472		•	AF048837			AF053712			AF058921 AF058921			AF058921		AF065164			AF094760		AF094760 AF094760		D00017	D00017	D00017

		က	T60N		S175A	ო		V50L	R215K		တ	c.	•	က	2000	5002	R347C	R347C	• :	က	R212H	C310M		တ	D234N		ď	)	S		
		1239G>A	179C>A		523T>G	1593G>A		148G>T	0440>4		954G>A	1644C>T		1908C>T	500T	0	1039C>T	1039C>T		1612C>T	635G>A	0.080		984A>C	700G>A		900T>C		990C>T	•	
		1288	319		566	1600		277	1073	2	1083	1773	2	2037	1035	250	1475	1475	•	2048	726	1047	2	1075	402		808	}	666		
		Lipocortin II (Annexin II)	Human mRNA for Iymphotoxin (TNF-beta),	complete cds	Human mRNA for dipeptidase	Human CYP11B2 gene for	steroid 18-hydroxylase,	Glycine cleavage system:	Protein cleavage evetem:	Protein T	Glycine cleavage system:	Glycine cleavage system:	Protein T	Glycine cleavage system:	riotenaio receptor oforecentos	Auteriergic receptor alpria	Adrenergic receptor alpha	Adrenergic receptor alpha	10	Adrenergic receptor alpha	Prostaglandin 12	(prostacyclin) receptor (IP)	(prostacyclin) receptor (IP)	Prostaglandin 12	(prostacyclin) receptor (IP) Human mRNA for	transmembrane protein,	complete cds	transmembrane protein,	Complete cds Human mRNA for	transmembrane protein,	
		GEN-2D	GEN-QD		GER- 1NW	GEN-	CCC	GEN-AA	ABA-AB		GEN-AA	GEN-AA		GEN-AA	S. MEG	0EN-5	GEN-3	GEN-3		GEN-3	<b>GEN-78</b>	SEN 78		GEN-78	GEN-	281	, NH	2B1	GEN.	281	
		151740	153440		179780	124080		238310	238310		238310	238310		238310	104224	177401	104221	104221		104221	600022	600003	20000	600022	602267		502267		602267		
		D00017	D12614		D13138	D13752		D13811	D13811	2	D13811	013811		D13811	025235	02020	D25235	D25235		D25235	D25418	005418	0.10	D25418	D26579		D26579		D26579		
		D00017	D12614		D13138	CYP11B2		D13811	D13811		D13811	D13811	3	D13811	D05035	023233	D25235	D25235		D25235	D25418	977448	0527	D25418	D26579		D26579		026579		

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	1095A>G	(-47)G>A	1261A>G	1784G>C	204C>G	232C>A	1619T>C	2992C>T	1705G>A	2661G>A	4250G>A	(-35)G>T	784G>A	270T>C	2256C>A	2096G>A
	1104	25	1332	1855	203	231	1646	3075	1908	2864	4453	34	806	328	2432	2299
complete cds	Human mRNA for transmembrane protein, complete cds	Glycinamide ribonucleotide transformylase	Glycinamide ribonucleotide transformylase	Glycinamide ribonucleotide transformylase	Human IP gene for prostacyclin receptor, exon 3	Human IP gene for prostacyclin receptor, exon	Human mRNA for prostacyclin synthase, complete cds	Human mRNA for 5- nucleotidase	Phospholipase C epsilon	Phospholipase C epsilon	Phospholipase C epsilon	Calmodulin 1 (phosphorylase kinase, delta)	Homo saptens mRNA for cytochrome b large subunit of complex II. complete cds	Human mRNA for CC chemokine LARC precursor, complete cds	Human mRNA for KIAA0271 gene, complete cds	Human mRNA for platelet- activating factor
	GEN-	GEN-4	GEN-4	GEN-4	GEN- 4DH	GEN-	GEN- 4E3	GEN- 2PF	GEN- 204	GEN- 2U4	GEN- 2U4	GEN-BA	GEN- 2Z7	GEN-	GEN- 43N	GEN- 44C
	602267	138440	138440	138440	600022	600022	601699	129190	600597	600597	600597	114182	602413	601960	601931	602344
	D26579	D32051	D32051	D32051	D38128	D38128	D38145	D38524	D42108	D42108	D42108	D45887	D49737	D86955	D87461	D87845
	D26579	D32051	D32051	D32051	PTGIR	PTGIR	D38145	NT5	D42108	D42108	D42108	D45887	D49737	D86955	D87461	D87845

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2129A>G	(-1284)A>T	(-829)G>C	(-562)G>C	927T>C	1203A>G	969C>T	969C>T	1005A>G	1005A>G	1354C>G	1354C>G	1748G>A	1896.7.5		2284G>A	2284G>A	2360G>C	2455G>A	2814A>G	81C>T	679T>A
2332	434	889	1156	2644	2920	1449	1449	1485	1485	1834	1834	2228	2376	2	2764	2764	2840	2935	3294	81	721
acetylhydrolase 2, complete cds Human mRNA for platelet- activating factor acetylhydrolase 2,	P2Y7 purinoceptor	Endothelin Receptor Type A	Endothelin Receptor Type	Endothelin Recentor Type	A. A.	Endothelin Receptor Type A	Endothelin Receptor Type	Endothelin Receptor Type	Endothelin Receptor Type	Endothelin Receptor Type	A Human enkephalin gene	Human dihydrofolate									
GEN- 44C	GEN-7	GEN-7	GEN-7	GEN-7	GEN-7	GEN- 4DX	GEN-	A SE	GEN	GEN-	GEN-	GEN-	ADA NA	40X	GEN- 4DX	GEN-	SES S	GEN-		GEN-	GEN-
602344	601531	601531	601531	601531	601531	131243	131243	131243	131243	131243	131243	131243	131243		131243	131243	131243	131243	131243	131330	126060
D87845	D89078	D89078	D89078	D89078	D89078	D90348	D90348	D90348	D90348	D90348	D90348	D90348	D90348		D90348	D90348	D90348	D90348	D90348	J00123	J00140
D87845	D89078	D89078	D89078	D89078	D89078	EDNRA	EDNRA	EDNRA	EDNRA	EDNRA	EDNRA	EDNRA	A B N C B		EDNRA	EDNRA	EDNRA	EDNRA	EDNRA	J00123	DHFR

	က	က	D24V	Ø	Ø	Ø	ഗ	Ø	E45K	S	P241S	P587S	ß	V127I	တ	ဟ	
	679T>A	787C>T	71A>T	936T>C	1194G>A	681C>T	417G>A	1050T>G	133G>A	288C>T	721C>T	1759C>T	(-52)C>T	379G>A	1773G>A	57C>T.	
	721	829	106	971	1229	758	503	1098	133	288	721	1759	160	290	1984	172	
reductase gene	Human dihydrofolate	Human dihydrofolate	Human corticosteroid binding globulin mRNA,	complete cds Human corticosteroid binding globulin mRNA,	Human corticosteroid binding globulin mRNA, complete cds	Guanine nucleotide binding protein (G protein), alpha inhibiting activity	Human beta-1-adrenergic receptor mRNA, complete	Human interferon-gamma receptor mRNA, complete cds	Human matrix metalloproteinase-3 (MMP-3) mRNA, complete cds	Human matrix metalloproteinase-3 (MMP-3) mRNA, complete cds	Human collagenase type IV mRNA, 3 end	Human collagenase type IV mRNA. 3 end	DNA topoisomerase I	DNA topoisomerase I	DNA topolsomerase I	Vitamin D (1,25- dihydroxyvltamin D3)	receptor
4E9	GEN-	GEN-	GEN-Y2	GEN-Y2	GEN-Y2	GEN-79	GEN- 4D6	GEN-ZK	GEN-PK	GEN-PK	GEN-ZY	GEN-ZY	GEN-C4	GEN-C4	GEN-C4	GEN-2J	
	J00140 126060	126060	122500	J02943 122500	122500	139360	109630	107470	185250	185250	120360	120360	172420	172420	172420	601769	
	J00140	J00140	J02943	J02943	J02943	J03004	J03019	J03143	J03209	J03209	J03210	J03210	J03250	J03250	J03250	J03258	
	DHFR	DHFR	CBG	CBG	CBG	J03004	J03019	J03143	J03209	103209	J03210	J03210	J03250	J03250	J03250	J03258	

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444C>T	1589C>A	1718C>G	1743G>T	1844A>C	2075deIT	3186C>A	3876A>G	4072G>A	4072G>A	72G>T	1443A>T	1951G>A	3032T>C	3634A>G
559	1704	1833	1858	1959	2190	3301	3991	4187	4187	140	1511	1951	3032	3634
Vitamin D (1,25- dihydroxyvitamin D3)	Leukotriene A4 hydrolase	Leukotriene A4 hydrolase	Human complement protein component C7 mRNA, complete cds	Human complement protein component C7	Human complement protein component C7 mRNA, complete cds									
GEN-2J	GEN-8	GEN-8	GEN-	GEN- 11R	GEN- 11R									
601769	601769	601769	601769	601769	601769	601769	601769	601769	601769	151570	151570	217070	217070	217070
J03258	<b>J03459</b>	J03459	J03507	J03507	J03507									
J03258	J03459	J03459	C1	C7	C1									

	ო	Ø	w	Ś	P309T	S	က	ιL	ص	ო	V13M		V20M	ဟ	1400S	P445R	Ø	R134K
	3831A>G	21C>T	270G>A	270G>A	925C>A	1728A>T	2042-	2043AC>AC 2042-	2043deIAC 2294C>T	2342T>G	37G>A		58G>A	1164C>T	1199T>G	1334C>G	1341C>T	401G>A
	3831	55	304	304	959	1762	2076	2076	2328	2376	975		966	1202	1237	1372	1379	454
Milese iki ngasamanin iliku ili Milese sebena yangan mengan Milese milese sebenah mengan Milese milese sebenah mengan Milese sebenah sebenah mengan Milese sebenah seb	Human complement protein component C7	Lipoxygenases: 5-	Lipoxygenase (reunocytes) Lipoxygenases: 5-	Lipoxygenases (rednocytes)	Lipoxygenases (leukocytes)	ipoxygeriase (leukocytes) Lipoxygenases: 5-	Ilpoxygenase (leukocytes) Lipoxygenases: 5-	lipoxygenase (leukocytes) Lipoxygenases: 5-	lipoxygenase (leukocytes) Lipoxygenases: 5-	lipoxygenase (leukocytes) Lipoxygenases: 5-	lipoxygenase (leukocytes) Human, parathyroid-like	horem (associated with humoral hypercalcemia of malignancy) mRNA, complete cds	Human, parathyroid-like protein (associated with humoral hypercalcemia of malignancy) mRNA,	Adrenergic receptor alpha	Adrenergic receptor alpha	Adrenergic receptor alpha	Adrenergic receptor alpha	zc Methenyltetrahydrofolate cyclohydrolase
	GEN- 11R	GEN-9	GEN-9	GEN-9	GEN-9	GEN-9	GEN-9	GEN-9	GEN-9	GEN-9	GEN-	2	GEN-	GEN-A	GEN-A	GEN-A	GEN-A	GEN-CB
	217070	152390	152390	152390	152390	152390	152390	152390	152390	152390	168470		168470	104250	104250	104250	104250	172460
	J03507	J03571	J03571	J03571	J03571	J03571	J03571	J03571	J03571	J03571	103580		J03580	J03853	J03853	J03853	J03853	J04031
	C3	J03571	J03571	J03571	J03571	J03571	J03571	J03571	J03571	J03571	РТНСН		РТНСН	J03853	J03853	J03853	J03853	J04031

Q306E	တ	R653Q	T761M	ო	က	ო	R119H	K646N	T678S	ო	ო	က	R69H	ာတ	T993N	P1139S	က	က	က
916C>G	1561T>C	1958G>A	2282C>T	688C>T	778T>C	1824T>C	356G>A	1938A>T	2032A>T	2131G>T	1329G>C	1336A>T	206G>A	2478G>A	2978C>A	3415C>T	3661C>T	3804A>G	4071G>A
696	1614	2011	2335	791	881	1927	558	2140	. 2234	2333	1403	1410	206	2478	2978	3415	3661	3804	4071
Methenyltetrahydrofolate	Cyclonydrolase Methenyltetrahydrofolate	Methenyltetrahydrofolate	eycionydrolase Methenyltetrahydrofolate	cyclohydrolase Human calmodulin mRNA,	complete cds Human cafmodulin mRNA,	complete cds Human calmodulin mRNA,	complete cds Complement C1S component precursor (C1	esterase) Complement C1S component precursor (C1	Complement C1S component precursor (C1	Complement C1S component precursor (C1	Human T cell receptor zeta-chain mRNA,	Human T cell receptor zeta-chain mRNA,	Leukocyte integrin alpha-m						
GEN-CB	GEN-CB	GEN-CB	GEN-CB	GEN	GEN-	GEN 38	13N GEN- 13T	GEN- 13T	GEN- 13T	GEN- 13T	GEN- KXY	GEN- KXY	GEN-B						
172460	172460	172460	172460	114183	114183	114183	120580	120580	120580	120580	186780	186780	120980	120980	120980	120980	120980	120980	120980
J04031	J04031	J04031	J04031	J04046	J04046	J04046	J04080	J04080	J04080	J04080	J04132	J04132	J04145						
J04031	J04031	J04031	J04031	J04046	304046	J04046	C1S	C1S	C18	C1S	J04132	J04132	J04145						

Ø	ო	A101G	S508L	T577S	w	က	ო	က	က	S	ო	ო	ю	က	က	A18T
879C>T	1233G>C	302C>G	1523C>T	1729A>T	1779T>G	1867G>T	1495G>A	3126G>A	834A>G	156A>G	896C>G	933G>A	1431G>A	1955T>C	1955T>C	52G>A
974	1328	349	1570	1762	1812	1900	1525	3281	834	173	913	950	1448	1972	1972	112
Human leukosialin mRNA,	Human leukoslalin mRNA,	IMP (inosine	monopnosphate) dehydrogenase 2 IMP (inosine	monophosphate) dehydrogenase 2 Human lupus p70 (Ku) autoantigen protein mRNA,	complete cds Human lupus p70 (Ku) autoantigen protein mRNA,	complete cas Human lupus p70 (Ku) autoantigen protein mRNA,	Human bactericidal permeability increasing protein (BPI) mRNA,	Human complement component C6 mRNA, component C6 mRNA,	Calcineurin A	Prostaglandin 15-OH	dehydrogenase (PGDH) Prostaglandin 15-OH	denydrogenase (PGUH) Prostaglandin 15-OH	dehydrogenase (PGDH) Prostaglandin 15-OH	denydrogenase (PGUH) Prostaglandin 15-OH	denydrogenase (PGDH) Prostaglandin 15-OH	Human apolipoprotein E (epsilon 2 and 3 alleles)
GEN-	GEN-	GEN-2M	GEN-2M	GEN-153	GEN-153	GEN-153	GEN- 15B	GEN- 16S	GEN-D	GEN-E	GEN-E	GEN-E	GEN-E	GEN-E	GEN-E	GEN-PO
182160	182160	146691	J04208 146691	152690	152690	152690	109195	217050	114105	601688	601688	601688	601688	601688	601688	107741
J04168	J04168	J04208	304208	J04611	J04611	J04611	J04739	J05064	305480	J05594	J05594	J05594	J05594	J05594	J05594	K00396
SPN	SPN	J04208	J04208	G22P1	G22P1	G22P1	<u>d</u>	8	J05480	J05594	J05594	J05594	J05594	J05594	J05594	K00396

E21K	E31K	L46P	LL.	T60A	P102R	A117T	C130R	G145D	R152Q	R154S	R160C	R163C	R163H	
·61G>A	91G>A	137T>C	i 144delG	178A>G	305C>G	349G>A	388T>C	434G>A	455G>A	460C>A	478C>T	487C>T	488G>A	
121	151	197	204	238	365	409	448	494	515	520	538	547	548	
mRNA Human apolipoprotein E	(epsilon 2 and 3 alleles) mRNA Human apolipoprotein E	(epsilon 2 and 3 alleles) mRNA Human apolipoprotein E	(epsilon 2 and 3 alleles)  Human apolipoprotein E (epsilon 2 and 3 alleles)	mRNA Human apolipoprotein E (epsilon 2 and 3 alleles)	MKNA Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E	
GEN-P0	GEN-P0	GEN-P0	GEN-PO	GEN-PO	GEN-PO	GEN-PO	GEN-P0	GEN-PO	GEN-PO	GEN-PO	GEN-PO	GEN-PO	GEN-P0	· · · ·
107741	107741	107741	107741	107741	107741	107741	107741	107741	107741	107741	107741	107741	107741	
K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	
K00396	K00396	K00396	96£00X	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	SD-144146.1

	K164E	R176C	R176C	LL.	R242Q	R246C	V254E	R269G	R292H	S314R	ဟ	တ	တ	V242L	S245N
	490A>G	526C>T	526C>T	683G>A	725G>A	736C>T	761T>A	805C>G	875G>A	940A>C	283T>C	402C>A	651C>T	724G>T	734G>A
	550	286	286	743	785	962	821	865	935	1000	297	416	665	738	748
(epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human HLA-DR alpha- chain mRNA	Human HLA-DR alpha-			
	GEN-PO	GEN-PO	GEN-P0	GEN-PO	GEN-P0	GEN-P0	GEN-P0	GEN-PO	GEN-PO	GEN-P0	GEN-PB	GEN-PB	GEN-PB	GEN-PB	GEN-PB
	107741	107741	107741	107741	107741	107741	107741	107741	107741	107741	None	None	None	None	None
	K00396 107741	K00396 · 107741	K00396	K01171	K01171	K01171	K01171	K01171							
	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K01171	K01171	K01171	K01171	K01:171

ď	) m	က	က	က	က	က	က	භ	က	က	က်	က	T400K	L314P	V839I	ω
7834>G	828A>G	887G>A	914T>A	919T>A	928C>T	940G>A	985T>G	1021A>C	1063C>T	1077C>G	1140A>C	1157T>A	1199C>A	941T>C	2515G>A	3048C>T
797	842	901	928	933	942	954	666	1035	1077	1091	1154	1171	1248	1001	2575	3108
chain mRNA	chain mRNA Human HLA-DR alpha-	chain mKNA Human HLA-DR alpha-	Chair mense Human HLA-DR alpha-	Human HLA-DR alpha-	Clair IIINNA Human HLA-DR alpha-	Human HLA-DR alpha-	Human HLA-DR alpha-	Human alpha-2-thiol proteinase inhibitor mRNA,	Human complement complement component C3 mRNA, alpha and beta subunits,	Human complete Cus Human complement component C3 mRNA, alpha and beta subunits,	Human complement component C3 mRNA, alpha and beta subunits,					
ָרָ מקי	GEN-PB	GEN-PB	GEN-PB	GEN-PB	GEN-PB	GEN-PB	GEN-PB	GEN-PB	GEN-PB	GEN-PB	GEN-PB	GEN-PB	GEN-X2	GEN-XM	GEN-XM	GEN-XM
o C	None	None	None	None	None	None	None	None	None	None	None	None	228960	120700	120700	120700
K01171	K01171	K01171	K01171	K01171	K01171	K01171	K01171	K01171	K01171	K01171	K01171	K01171	K02566	K02765	K02765	K02765
 K01171	K01171	K01171	K01171	K01171	K01171	K01171	K01171	K01171	K01171	K01171	K01171	K01171	N KNG	K02765	K02765	K02765

ဟ	ဟ	P1495Q	w	ω	ro u	വറ	E10K	M111	တ	E617K	ო	თ .	ဟ	[H262Q;26 2^263insl
3501C>G	4311C>T	4484C>A	4878T>C	4896T>C	(-68)A>C	(-81)A>C (-39)C>T	. 28G>A	33G>A	1846C>A	1849G>A	1310G>T	1887G>A	600T>C	1010 786^787insA ATAAAATTC
3561	4371	4544	4938	4956	19	84	114	119	1940	1943	1478	1886	824	1010
complete cds Human complement component C3 mRNA, alpha and beta subunits,	Complete cds Human complement component C3 mRNA, alpha and beta subunits,	Complete cds Human complement component C3 mRNA, alpha and beta subunits,	Human complete cos Human complement component C3 mRNA, alpha and beta subunits,	Human complement compound component C3 mRNA, alpha and beta subunits,	Interleukin 1, beta	Interleukin 1, beta	Interleukin 1, beta	Interleukin 1, beta	Protein kinase C-theta	Protein kinase C-theta	Homo sapiens (clone CD18) tumor necrosis factor receptor 2 related protein mRNA, complete	Human protein tyrosine kinase related mRNA	Serotonin 5-HT receptors 5-HT1F	Serotonin 5-HT receptors 5-HT1F
GEN-XM	GEN-XM	GEN-XM	GEN-XM	GEN-XM	GEN-5M	GEN-5M	GEN-5M	GEN-5M	GEN-CM	GEN-CM	GEN-144	GEN- KYC	GEN-	GEN- 4EV
120700	K02765 120700	120700	120700	120700	147720	147720	147720	147720	600448	600448	600979	176947	None	None
K02765	K02765	K02765	K02765	K02765	K02770	K02770	K02770	K02770	L01087	L01087	L04270	L05148	L05597	L05597
K02765	K02765	K02765	K02765	K02765	K02770	K02770	K02770	K02770	L01087	L01087	L04270	L05148	L05597	L05597

KFI]	2	S	တ	S	က		တ	V593M	ဟ	တ		တ		.ഗ		ဟ	Ø		က	ı	ρ	ı	n	
AT	(-146)A>G	99C>T	831G>A	831G>A	3618G>C		387G>A	1777G>A	456G>A	960>6		147C>G		153C>G		165G>A	255C>A		371C>T		(-1168)G>A	0.00	4-207)cc-)	
	88	332	1064	1064	9966		445	1835	456	170		221		227		239	329		445	į	820	,	2/4/2	
	Endothelin Receptor Type	Endothelin Receptor Type	Endothelin Receptor Type	Endothelin Receptor Type	Human transforming arowth factor-beta type III	receptor (TGF-beta) mRNA, complete cds	Protein kinase C, delta	Protein kinase C; delta	Cholecystokinin (CCKb)	Human glycosylation-	complete cds	Human glycosylation- Inhibiting factor mRNA,	complete cds	Human glycosylation- inhibiting factor mRNA,	complete cds	Human glycosylation- Inhibiting factor mRNA,	Human glycosylation- inhibiting factor mRNA,	complete cds	Human glycosylation- Inhibiting factor mRNA,	complete cds	sapiens i cell- specific tyrosine kinase	The Foreign of the Color	nomo sapiens i cell- specific tyrosine kinase mRNA, complete cds	
	GEN-	GEN-	GEN- 19S	GEN-	GEN-		GEN-D0	GEN-D0	GEN-	GEN-138		GEN-1J8		GEN-138		GEN-1J8	GEN-1J8		L10612 153620 GEN-1J8		1.5 1.0 1.0 1.0	Ĺ	1.08 1.08	
	131244	131244	131244	131244	600742		176977	176977	118445	153620		153620		L10612 153620		153620	153620		153620		186973	01000	6/6001	
	L06623 131244	L06623	L06623	L06623	L07594		L07861	L07861	L08112	L10612		L10612		L10612		L10612	L10612		L10612	1	717077	17077	L10717 186973	
	EDNRB	EDNRB	EDNRB	EDNRB	TGFBR3		L07861	L07861	CCKBR	MIF		MIF		M		MIF	MIF		MIF	1	L10/1/	17107	L10/1/	

Light														
L10717 186973 GEN- Homo sapiens T ceil- 1JB specific tyrosine kinase mRNA, complete cds Homo sapiens T ceil- 1JB specific tyrosine kinase mRNA, complete cds homo sapiens any LVD sulfotransferase mRNA, Complete cds wilfotransferase mRNA, Complete cds wilfotran	က	ო	ო	တ	တ	ဟ	တ	A86V	N860	S	Ø	H213R	က	ო ·
L10717 186973 GEN- Homo sapiens I ceil- 1 JB specific tyrosine kinase	2874G>A	3602G>C	3605A>C	153C>T	162G>A	192T>C	204G>A	257C>T	292G>A	300G>A	600C>G	638A>G	902G>A	973T>C
L10717 186973 GEN- 1JB L10717 186973 GEN- 1JB L10819 171150 GEN-	4897	5625	5628	191	200	230	242		330	338	638	929	940	1011
L10717 186973 C L10717 186973 C L10819 171150 C	Homo sapiens T cell- specific tyrosine kinase	Homo sapiens T cell- specific tyrosine kinase	Homo sapiens T cell- specific tyrosine kinase	Homo sapiens aryl sulfotransferase mRNA,	Homo sapiens aryl sulfotransferase mRNA, complete cds	Homo sapiens aryl sulfotransferase mRNA,	Complete cus Homo sapiens aryl sulfotransferase mRNA,	Complete cos Homo saplens aryl sulfotransferase mRNA.						
L10717 L10717 L10819 L10819 L10819 L10819 L10819 L10819 L10819	GEN- 1JB	GEN- 1JB	GEN- 1JB	GEN- LVD	GEN- LVD	GEN- LVD	GEN- LVD	GEN-	GEN- LVD	GEN. LVD	GEN- LVD	GEN. LVD	GEN- LVD	GEN-
L10717 L10717 L10819 L10819 L10819 L10819 L10819 L10819 L10819 L10819														
•	L10717	L10717	L10717	L10819	L10819	L10819	L10819	L10819	L10819	L10819	L10819	L10819	L10819	L10819

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	4154C>A	4317G>C	4395T>G	4545G>A	204G>A	462C>T	624C>A	1764T>C	1915G>A	253C>A	277T>C	538C>T	614G>C	,745A>C
	4284	4447	4525	4675	538	962	958	1763	1914	252	276	537	613	744
complete cds	Human aldehyde oxidase (hAOX) mRNA, complete cds	Human aldehyde oxidase (hAOX) mRNA, complete cds	Human aldehyde oxidase (hAOX) mRNA, complete cds	Human aldehyde oxidase (hAOX) mRNA, complete cds	Human (clone A12) C4b- binding protein beta-chain mRNA, complete cds	Human (clone A12) C4b- binding protein beta-chain mRNA, complete cds	Human (clone A12) C4b- binding protein beta-chain mRNA complete cds	Homosapiens ERK activator kinase (MEK1)	Homosapiens ERK activator kinase (MEK1)	Homosapiens ERK activator kinase (MEK2)	Homosaplens ERK activator kinase (MEK2)	Homosaplens ERK activator kinase (MEK2)	Homosapiens ERK activator kinase (MEK2)	Homosapiens ERK
	GEN-	GEN- 1JU	GEN- 1JU	GEN-	GEN- 1K2	GEN- 1K2	GEN- 1K2	GEN- 1K8	GEN- 1K8	GEN- 1K7	GEN- 1K7	GEN- 1K7	GEN- 1K7	GEN-
	L11005 602841	L11005 602841	L11005 602841	L11005 602841	L11244 120831	L11244 120831	L11244 120831	L11284 176872	L11284 176872	L11285 601263	L11285 601263	L11285 601263	L11285 601263	L11285 601263
	L11005	L11005	L11005	L11005	C4BPB	C4BPB	C4BPB	L11284	L11284	L11285	L11285	L11285	L11285	L11285

	က	m .	ო	ო	L302I	က	က	ო	L474F	က	က	D65A	က	ო	ო
	1157G>T	1312C>T	1458C>A	1460A>C	904C>A	1184A>G	1380T>A	1420T>C	1420C>T	1517C>T	1707G>A	194A>C	383T>C	1250C>T	1651C>T
	1156	1311	1457	1459	1003	1283	1479	1519	1444	1541	1707	244	433	1467	1868
activator kinase (MEK2)	Homosapiens ERK activator kinase (MEK2)	Homosaplens ERK activator kinase (MEK2)	Homosapiens ERK activator kinase (MEK2)	Homosapiens ERK activator kinase (MEK2)	Cyclophilin D 40kDa	Cyclophilin D 40kDa	Cyclophillin D 40kDa	Cyclophilin D 40kDa	Human cytosolic serine hydroxymethyltransferase (SHMT) mRNA, complete cds	Human cytosolic serine hydroxymethyltransferase (SHMT) mRNA complete cds	Human cAMP phosphodiesterase mRNA, 3 end	Human neutrophil peptide- 3 gene, complete cds	Human neutrophil peptide- 3 gene, complete cds	Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA	Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds
1K7	GEN- 1K7	GEN- 1K7	GEN- 1K7	GEN- 1K7	GEN-H	GEN-H	GEN-H	GEN-H	GEN- 4DT	GEN-	GEN- 1LK	GEN-ST	GEN-ST	GEN- 106	GEN- 106
	L11285 601263	601263	601263	601263	601753	601753	601753	601753	182144	182144	171885	125220	125220	601545	601545
	L11285	L11285	L11285	L11285	L11667	L11667	L11667	L11667	L11931	L11931	L12052	L12691	L12691	L13385	L13385
	L11285	L11285	L11285	L11285	L11667	L11667	L11667	L11667	L11931	L11931	L12052	L12691	L12691	MDCR	MDCR

ო	ო	ო	R694W	ဟ	ო	ო	ო	Q32R	S364L	တ	S49F	က	က	ဟ	က	ဟ
1700C>T	2745G>T	4372G>A	2080C>T	2316C>T	3647C>T	3663T>C	3722C>G	95A>G	1091C>T	105A>G	146C>T	2696A>G	1380A>G	147G>C	2212G>A	552G>A
1917	2962	4589	2129	2365	3696	3712	3771	135	1129	243	284	2696	1671	557	2622	552
Homo sapiens(clone 71) Miller-Dieker lissencephaly protein (LIS1) mRNA, complete cds	Homo saplens(clone 71) Miller-Dieker Ilssencephaly protein (LIS1) mRNA, complete cds	Homo sapiens(clone 71) Miller-Dieker lissencephäly protein (LIS1) mRNA,	DNA-binding protein (SMBP2)	DNA-binding protein (SMBP2)	DNA-binding protein (SMBP2)	DNA-binding protein (SMBP2)	DNA-binding protein (SMBP2)	Human complement factor B mRNA, complete cds	TRANSCRIPTION FACTOR P65	Human aryl sulfotransferase mRNA, complete cds	Human aryl sulfotransferase mRNA, complete cds	Transcription Factor (CBFB)	G-protein coupled adenosine A3 receptor	Adenosine A1 receptor	Adenosine A1 receptor (ADORA1)	Human Bax alpha mRNA,
GEN- 106	GEN- 106	GEN- 106	GEN-D9	GEN-D9	GEN-D9	GEN-D9	GEN-D9	GEN-	GEN-DE	GEN-	GEN- LVE	GEN-DH	GEN-M	GEN-2S	GEN-2S	GEN-
601545	601545	601545	600502	600502	600502	600502	600502	138470	164014	600641	600641	121360	600445	102775	102775	600040
L13385	L13385	L13385	L14754	L14754	L14754	L14754	L14754	L15702	L19067	L19956	L19956	L20298	L20463	L22214	L22214	L22473
MDCR	MDCR	MDCR	L14754	L14754	L14754	L14754	L14754	BF	L19067	L19956	L19956	L20298	L20463	L22214	L22214	L22473

	ო	ო	ო	က	က	က	လ	က	A6V	A6V	S	N40D	N40D	R260H	R265C				
	1898C>T	1185T>C	1253C>T	1280A>G	2007A>G	2062A>G	(-172)G>T	(-111)C>T	17C>T	17C>T	. 24G>A	118A>G	118A>G	779G>A	793C>T	11.718		٠.	
	1917	1422	1490	1517	2244	2299	4	102	229	229	236	330	330	991	1005				
complete cds	Homo sapiens dopamine transporter mRNA,	COMPIECE COS PROSTAGLANDIN F RECEPTOR	PROSTAGLANDIN F RECEPTOR	PROSTAGLANDIN F RECEPTOR	PROSTAGLANDIN F	PROSTAGLANDIN F RECEPTOR	Human Mu oplate receptor (MOR1) mRNA, complete	Human Mu opiate receptor (MOR1) mRNA, complete	Human Mu opiate receptor (MOR1) mRNA, complete	Human Mu oplate receptor (MOR1) mRNA, complete	Human Mu opiate receptor (MOR1) mRNA, complete	Human Mu opiate receptor (MOR1) mRNA, complete	Human Mu oplate receptor (MOR1) mRNA, complete	Human Mu opiate receptor (MOR1) mRNA, complete	Human Mu opiate recoptor (MOR1) mRNA, complete	The displacement of the control of t	ARTHUR TO THE ARTHUR TO THE S		
L9D	GEN-283	GEN-O	GEN-O	GEN-O	GEN-O	GEN-O	GEN- 4EP												
	L24178 126455	L24470 600563	600563	600563	600563	600563	600018	600018	600018	600018	600018	600018	600018	600018	600018				
	L24178	L24470	L24470	L24470	L24470	L24470	L25119												
	SLC6A3	L24470	L24470	L24470	L24470	L24470	OPRM1		SD-144146.1										

	တ	တ	A310T	တ	V75M	Q446R	11825	Ø	တ	တ	w	ဟ	G1815A	D1840E	ю	ო	ო	T297N
	942G>A	942G>A	928G>A	159C>T	223G>A	1337A>G	545T>G	171C>T	534C>T	549G>A	1323C>T	5442C>G	5444G>C	5520C>G	5716C>A	5746C>A	5760G>A	890C>A
	1154	1154	1034	547	611	1725	809	171	534	549	1399	2995	5669	5745	5941	5971	5985	1227
and the color of the section of the	Human Mu opiate receptor (MOR1) mRNA, complete cds	Human Mu opiate receptor (MOR1) mRNA, complete cds	Human CTLA4 counter- receptor (B7-2) mRNA, complete cds	Prostaglandin E receptor 2 (Subtyone FP2): 53kD	Prostaglandin E receptor 2 (subtype EP2), 53kD	Prostaglandin E receptor 2 (Subtype EP2), 53kD	Human G protein-coupled	Adrenergic receptor alpha	Adrenergic receptor alpha	Adrenergic receptor alpha	Homo sapiens integral membrane protein (NRAMP1) mRNA,	Ca Channel alpha1s L-	Ca Channel alpha1s L- Type	Ca Channel alpha1s L-	Homo saplens MAP kinase kinase 3 (MKK3) mRNA,			
	GEN- 4EP	GEN- 4EP	GEN-298	GEN-7C	GEN-7C	GEN-7C	GEN-	8 S	9.8.4 5.4.5.4	A G A	GEN-21Y	GEN-Q	GEN-Q	GEN-Q	GEN-O	GEN-Q	GEN-Q	GEN- 2NE
	600018	600018	601020	601586	601586	601586	600242	104220	104220	104220	600266	114208	114208	114208	114208	114208	114208	602315
	L25119	L25119	L25259	L28175	L28175	L28175	L31584	L31773	L31773	L31773	L32185	L33798	L33798	L33798	L33798	L33798	L33798	L36719
	OPRM1	OPRM1	L25259	PTGER2	PTGER2	PTGER2	L31584	L31773	L31773	L31773	NRAMP1	L33798	L33798	L33798	L33798	L33798	L33798	L36719

K312E	S	<b>ග</b>	T202A	V89I	A275S	ω	Ø	N363S	တ	ட	D641V	1747S
934A>G	1083C>T	1338G>A	604A>G	265G>A	823G>T	972G>A	2:112C>T	1088A>G	1892-	1892-	1922A>T	2240T>G
1271	1092	1401	617	265	902	1051	2191	1220	2024	2024	2054	2372
Homo saplens kinase 3 (N	Complete cos Human integral membrane protein (Nramp2) mRNA,	Homo sapiens CD6 ligand (ALCAM) mRNA, complete	Homo sapiens 5,10- methenyltetrahydrofolate synthetase mRNA,	Homo sapings clone PEBP2aA1) core-binding factor, runt domain, alpha subunit 1 (CBFA1) mRNA,	Homo sapiens receptor-assoc (IRAK) mRN	Homo sapiens interleukin-1 receptor-associated kinase (IRAK) mRNA, complete	Homo sapiens interleuk receptor-associated kin (IRAK) mRNA, comp	Corticosteroid nuclear receptor b				
GEN- 2NE	GEN- 206	GEN- 2PJ	GEN- 2PT	GEN- 2SO	GEN- 300	GEN- 300	GEN- 300	GEN-2W	GEN-2W	GEN-2W	GEN-2W	GEN-2W
602315	600523	601662	None	600211	601108	601108	601108	138040	138040	138040	138040	138040
L36719	L37347	L38608	L38928	L40992	L76191	L76191	L76191	M10901	M10901	M10901	M10901	M10901
L36719	NRAMP2	ALCAM	L38928	L40992	L76191	L76191	L76191	M10901	M10901	M10901	M10901	M10901

L753F	L753F	တ	က	က	ဟ	ட	V1000I	က	R265W		က			က		8008		င	•	.n	က	,	n	ო		က	MORAN			က	
2259A>C	2259A>T	2034C>T	3221T>G	3266T>G	1530T>A	1756C>T	2998G>A	4431A>C	793C>T		1458C>T			1678C>T	•	205T>G	0.1064	924T>C	0	983C>A	1207T>C		1209G>C	1258T>G		1327G>A	1438.5.4			1558C>T	
2391	2391	2166	3353	3398	1573	1799	3041	4474	868		1545			1765		431	2	1060		1129	1343	!	1345	1394		1463	1175	<u> </u>		1595	
Corticosteroid nuclear	Corticosteroid nuclear	Glucocorticoid receptor	Glucocorticoid receptor	Glucocorticoid receptor	alpha-2-macroglobulin	alpha-2-macroglobulin	alpha-2-macroglobulin	alpha-2-macroglobulin	Human T-cell surface	glycoprotein T4 mRNA,	Human T-cell	differentiation antigen Leu-	2/T8 mRNA, partial cds	Human T-cell	differentiation antigen Leu-	2/18 mRNA, partial cds	Ivmphocytes	CD3 glycoprotein on T	lymphocytes	CU3 glycoprotein on I	CD3 glycoprotein on T	lymphocytes	CD3 glycoprotein on T	iymphocytes CD3 alycoprotein on T	lymphocytes	CD3 glycoprotein on T	lymphocytes	(C1) inhibitor mRNA,	complete cds	Human plasma protease	complete cds
GEN-2W	GEN-2W	GEN-7Y	GEN-7Y	GEN-7Y	GEN-E7	GEN-E7	GEN-E7	GEN-E7	GEN-QG		GEN-OH	,		GEN-OH		O THE	)	GEN-S		SEZ-C	GEN-S		GEN-S	GEN-S		GEN-S	C.	1P6		GEN-	<u> </u>
138040	138040	138040	138040	138040	103950	103950	103950	103950	186940		186910			186910		18880		186880	0	186880	186880		186880	186880		186880	106100	2		106100	
M10901	M10901	M11050	M11050	M11050	M11313	M11313	M11313	M11313	M12807		M12824			M12824		M12050	6067111	M12959		M12959	M12959		M12959	M12959		M12959	M13800			M13690 106100	
M10901	M10901	M11050	M11050	M11050	M11313	M11313	M11313	M11313	M12807	•	M12824			M12824		M12050	10114909	M12959		M12959	M12959		M12959	M12959		M12959	17.5			CINH	

က	А96Т	G110R	ო	R486C	တ	ო	က	ო	က	က	5	ດ	ഗ
1677A>C	286G>A	328G>C	1501A>G	1456C>T	744C>T	_2603C>T	2616C>T	2799G>A	3139C>G	1153G>A	(-1122)C>G	(-1023)G>A	(-406)C>T
1714	1744	1786	2959	1519	800	2716	2729	2912	3252	1338	466	265	1482
Human plasma protease (C1) inhibitor mRNA,	Human B-cell leukemia/lymphoma 2 (bcl- 2) proto-oncogene mRNA encoding bcl-2-alpha	Human Beckling William Beckling Beckling Beckling Beckling State Beckling Beckling Beckling Beckling Beckling State Beckling Beck	protein, compress cas Human B-cell Fellomphoma 2 (bcl- 2) prote-oncogene mRNA encoding bcl-2-alpha protein complete cds	Human complement C1r mRNA complete cds	Human liver arginase	Human nerve growth factor receptor mRNA, complete	Human Fc-epsilon receptor CD23 antigen (IgE receptor) mRNA complete	Beta2 Adrenergic Receptor	Beta2 Adrenergic Receptor	Beta2 Adrenargic Receptor			
GEN- 1P6	GEN- 109	GEN-	109 109	GEN-	GEN-	GEN- 1S8	GEN- 1S8	GEN- 1S8	GEN- 1S8	GEN-OO	GEN-T	GEN-T	GEN-T
106100	151430	151430	151430	216950	207800	162010	162010	162010	162010	151445	109690	109690	109690
M13690	M13994	M13994	M13994	M14058	M14502	M14764	M14764	M14764	M14764	M14766	M15169	M15169	M15169
C1NH	BCL2	BCL2	BCL2	C1R	ARG1	NGFR	NGFR	NGFR	NGFR	M14766	M15169	M15169	M15169 SD-144146.1

M15169         M15169         M15169         M15169         GEN-T         Beta2 Adrenergic Receptor         1221         (-367)C>T         5           M15169         M15169         109690         GEN-T         Beta2 Adrenergic Receptor         1531         (-47)C>T         5           M15169         M15169         109690         GEN-T         Beta2 Adrenergic Receptor         1633         46A>C         R16G           M15169         M15169         109690         GEN-T         Beta2 Adrenergic Receptor         1666         79C>G         Q27E           M15169         M15169         109690         GEN-T         Beta2 Adrenergic Receptor         1666         79C>G         Q27E           M15169         M15169         109690         GEN-T         Beta2 Adrenergic Receptor         1666         79C>G         Q27E           M15169         M15169         109690         GEN-T         Beta2 Adrenergic Receptor         1667         100C>A         V34M           M15169         M15169         109690         GEN-T         Beta2 Adrenergic Receptor         1667         100C>A         S2C>A         S           M15169         M15169         109690         GEN-T         Beta2 Adrenergic Receptor         1864         177C>A				'n	۲۵.				_									ш																	
M15169         109690         GEN-T         Beta2 Adrenergic Receptor         1221         (-35 (1969)           M15169         109690         GEN-T         Beta2 Adrenergic Receptor         1526         (-28 (1969)           M15169         109690         GEN-T         Beta2 Adrenergic Receptor         1633           M15169         109690         GEN-T         Beta2 Adrenergic Receptor         1666           M15169         109690         GEN-T         Beta2 Adrenergic Receptor         166           M15169         109690         GEN-T         Beta2 Adrenergic Receptor         166           M15169         109690         GEN-T         Beta2 Adrenergic Receptor         166           M15169         109690         GEN-T         Beta2 Adrenergic Receptor         106           M15169         109690         GEN-T         Beta2 Adrenergic Receptor	ß	S	S	R16G	R16G	Q27E	Q27E	Q27E	V34M	ഗ	ഗ	တ	ഗ	ო	ო	က	က	G273E	တ	တ	တ	တ	တ	က	က	က	က	က	က		C.	)	ო	D98G	
M15169         109690         GEN-T         Beta2 Adrenergic Receptor         1221         (-35 (1969)           M15169         109690         GEN-T         Beta2 Adrenergic Receptor         1526         (-28 (1969)           M15169         109690         GEN-T         Beta2 Adrenergic Receptor         1633           M15169         109690         GEN-T         Beta2 Adrenergic Receptor         1666           M15169         109690         GEN-T         Beta2 Adrenergic Receptor         166           M15169         109690         GEN-T         Beta2 Adrenergic Receptor         166           M15169         109690         GEN-T         Beta2 Adrenergic Receptor         166           M15169         109690         GEN-T         Beta2 Adrenergic Receptor         106           M15169         109690         GEN-T         Beta2 Adrenergic Receptor	7)C>T	)G>A	}	6A>G	6A>G	90 90	9C>G	ე გბ	0G>A	2G>A	3C>A	36>0	9G>A	ე ე	7C>A	8C>A	4A>T	8G>A	6A>G	10>A	37>C	20>T	3C>1	3G>A	3G>A	8C>A	8C>A	S 0 0 0 0	DA>C		T<28		3G>A	3A>G	
M15169         109690         GEN-T         Beta2 Adrenergic Receptor           M15169         1096	(-367	(-262	4	4	4	7	7	7	Õ	25	52	105	123	127	127	127	178	8.	06	110	132	154	189	243;	243	245	245	248,	116		133	-	1609	293	
M15169         GEN-T         Beta2 Adrenergic Receptor           M15169         109690         GEN-T         Beta2 Adrenergic Receptor           M15395         600065         GEN-	1221	1326	1541	1633	1633	1666	1666	1666	1687	1839	2110	2640	2826	2862	2864	2865	3371	890	878	1173	1395	1614	1965	2505	2505	2528	528	2553	160		138	)	409	422	
M15169         109680         GEN-T         Beta2 Adrenergic FINE           M15169         109690         GEN-T         Beta2 Adrenergic FINE           M15395         600065         GEN-T         Leukocyte integri				•			•		•		•	••	••	`	•	•	•			•	•	•	•	•	••	•	•	•			•				
M15169         109680         GEN-T         Beta2 Adrenergic FINE           M15169         109690         GEN-T         Beta2 Adrenergic FINE           M15395         600065         GEN-T         Leukocyte integri	eptor	eptor	eptor	eptor	eptor	eptor	eptor	eptor	eptor	eptor	eptor	eptor	eptor	eptor	eptor	eptor	eptor	eta-2	eta-2	eta-2	eta-2	eta-2	eta-2	eta-2	eta-2	eta-2	eta-2	eta-2	ment	actor	tot	RM4	ptor.	rase	4 %
M15169 109690 GEN-T M15395 600065 GEN-U M15395	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec	ë E	ă E	i P	ë E	i p	ä	in	현	Ë Ë	in b	in	nple	ing f	9	동	ece.	este	estite Tit
M15169 109690 GEN-T M15395 600065 GEN-U M15395	rgic	Sign	-ig	gic	gic	īgic	rgic	gic	į g	rgic	gic	gic	gi	gic	rgic	gic	īgic	ntegi	ntegi	ntegi	ntegi	ntegi	ntegi	nteg	nteg	teg	ntegi	ntegr	Š	lerat	in in		ij	hollin	
M15169 109690 GEN-T M15395 600065 GEN-U M15395	rene	rene	rene	rene	rene	rene	rene	rene	rene	rene	rene	rene	rene	rene	rene	rene	rene	yte ii	yte ii	yte ii	yte i	yte ii	yte ii	yte ii	yte i:	yte:	yte ii	ye ii	ımar	accel	, E		ıscaı	7	
M15169 109690 GEN-T M15395 600065 GEN-U M15395	2 Ad	2 Ad	2 Ad	2 Ad	2 Ad	2 Ad	2 Ad	2 Ad	2 Ad	2 Ad	2 Ad	2 Ad	2 Ad	2 Ad	2 Ad	2 Ad	2 Ad	ukoc	ukoc	ukoc	ukoc	ukoc	ukoc	ukoc	ukoc	ukoc	Lkoc	ukoc	Í	cay-	) \( \bar{2}		Ź	But	
M15169 109690 M15195 600065 M15395 M1	Beta	Beta	Beta	Beta	Beta	Beta	Beta	Beta	Beta	Beta	Beta	Beta	Beta	Beta	Beta	Beta	Beta	Ļ	Ę	Ļ	Le	Le	Le	Le	Ē	Ē	Ē	Ę		ф					
M15169 109690 M15195 600065 M15395 M1	۱-	Ļ	۲Ż	۱ <del>-</del>	۲÷	۲	F	౼	۱÷	느	۲	١÷	느	늘	H	누	۲	<u>ک</u>	)- - -	그	ユ	コー	<u> </u>	J	7	<u> </u>	7	<u> </u>	ż	9	ż	S E	ż	ပူ ဗု	
M15169 M15169 M15169 M15169 M15169 M15169 M15169 M15169 M15395 M15396 M1	GE	GE	GE	GEI	GE	E E	GE	GE	B	B	B	B	GE	Œ	GEI	B	GE	GE	GE	GE	Ü	GE	Ü	GE	G	GE	GE	GE	Ö	<del>-</del>	Ċ	4	<u>.</u>	GEN	
M15169 M15169 M15169 M15169 M15169 M15169 M15169 M15169 M15395 M15396 M1	390	990	90	390	290	930	390	390	990	990	390	390	390	390	390	390	230	365	365	965	365	965	965	965	965	965	965	965	240		ā	2	<b>9</b>	00	
	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	009	009	009	900	900	900	900	900	900	009	009	125		Ž	:	Ž	1774	
	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	395	395	395	395	395	395	395	395	395	395	395	662		105	2	405	541	
M15395	M15	M15	M15	M15	M15	M15	M15	M15	M15	M15	M15	M15	M15	M15	M15	M15	M15	M15	M15	M15	M15	M15	M15	M15	M15	M15	M15	M15	M15		M16		M16	M16	
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	M15	M151	M151	W151	W151	W151	W151	M151	M151	W151	M151	M151	M151	M151	W151	M151	M151	W153	W153	M153	M153	V153	W153	M153	W153	M153	M153	M153	Ω		W164	}	M164	V165	
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G143D	F146V		u.	Y156C	T271M	T278P	E283D	L3581	G393R	G418V	F474V	u.	E525V	R543C	A567T	A5677	က	က	က			R75H	C	n	က	C	n		C48F	•	က	ო	
428G>A	435-	43611>AG>A G	439C>T	467A>G	812C>T	832A>C	849G>C	1072T>A	1177G>A	1253G>T	1420T>G	1435G>T	1574A>T	1627C>T	1699G>A	1699G>A	1998A>G	1998A>G	1833C>T			224G>A	F 70000	1 × 20000	745T>C	400H	92.1261		143G>T		0519C	812A>G	
557	564		568	596	941	961	978	1201	1306	1382	1549	1564	1703	1756	1828	1828	2127	2127	1860			224	200	255	745	•	26		156	6	638	825	
Butyrylcholinesterase	Butyrylcholinesterase		Butyrylcholinesterase	Human complement	protein C8 beta subunit	mRNA, complete cds	Human cytochrome	P450c21 mRNA, 3 end	P450c21 mRNA; 3 end	Human cytochrome	P450c21 mKNA, 3 end	component C8-gamma	mRNA, complete cds	Human lysozyme mRNA,	complete cas	Human Iysozyme mKNA,	Human lysozyme mRNA,	. complete cds															
<b>GEN-35</b>			GEN-35	GEN-35	GEN-35	GEN-35	GEN-35	GEN-35	<b>GEN-32</b>	<b>GEN-32</b>	<b>GEN-32</b>	GEN-35	GEN-35	GEN-35	GEN-35	<b>GEN-32</b>	<b>GEN-32</b>	<b>GEN-35</b>	GEN-	1ZA		GEN-201	POC MIC	9514-501	GEN-201	2	20X		GEN-QZ	1	20-N-02	GEN-QZ	
177400	177400		177400	177400	177400	177400	177400	177400	177400	177400	177400	177400	177400	177400	177400	177400	177400	177400	120960			201910	204040	016107	201910	120020	2000		153450		153450	153450	
M16541	M16541		M16541	M16973			M17252	M47052	10111222	M17252	7000			M19045	170077	M19045	M19045																
M16541	M16541		M16541	C8B			CYP21	10000	2	CYP21	Ç	3	•	M19045		M19045	M19045																

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863T>C	926C>T	960T>C	968A>G	1005G>A	1291C>T	79C>T	2621A>T	294G>A	363C>A	208C>T	498T>C	608C>T	640C>T	641G>A	664G>A	669C>T
928	939	973	981	1018	1304	132	3058	331	400	234	524	634	999	299	069	695
Human lysozyme mRNA,	complete cds Human lysozyme mRNA,	Human lysozyme mRNA,	Human lysozyme mRNA,	Human lysozyme mRNA,	Complete cos Human lysozyme mRNA,	Human interleukin 3 (IL-3)  mRNA, complete cds,	interleukin 6A	Phospholipase A-2 (PLA-2)	Phospholipase A-2 (PLA-2)	Human T cell-specific protein (RANTES) mRNA,	Human T cell-specific protein (RANTES) mRNA,	Human T cell-specific protein (RANTES) mRNA, complete cds	Human T cell-specific protein (RANTES) mRNA,	Human T cell-specific protein (RANTES) mRNA,	Human T cell-specific protein (RANTES) mRNA,	Human T cell-specific protein (RANTES) mRNA, complete cds
GEN-QZ	GEN-QZ	GEN-QZ	GEN-QZ	GEN-QZ	GEN-QZ	GEN- CCJ	GEN-3A	GEN-3B	GEN-3B	GEN- 24E	GEN- 24E	GEN- 24E	GEN- 24E	GEN- 24E	GEN- 24E	GEN- 24E
153450	153450	153450	153450	153450	153450	147740	147880	172410	172410	187011	187011	187011	187011	187011	187011	187011
M19045	M19045	M19045	M19045	M19045	M19045	M20137	M20566	M21054	M21054	M21121	M21121	M21121	M21121	M21121	M21121	M21121
M19045	M19045	M19045	M19045	M19045	M19045	M20137	M20566	M21054	M21054	SCYA5	SCYA5	SCYA5	SCYA5	SCYA5	SCYA5	SCYA5

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670G>A	672G>A	676C>A	693C>T	702G>A	709C>T	710G>A	932C>T	2048C>G	2255G>A	2385C>T	2933G>C
969	869	702	719	728	735	736	1052	2168	2375	2505	3053
Human T cell-specific protein (RANTES) mRNA, complete cds	Human T cell-specific protein (RANTES) mRNA, complete cds	Human T cell-specific protein (RANTES) mRNA,	Human T cell-specific protein (RANTES) mRNA,	Human T cell-specific protein (RANTES) mRNA, complete cds	Human T cell-specific protein (RANTES) mRNA, complete cds	Human T cell-specific protein (RANTES) mRNA, complete cds	Human aminopeptidase N/CD13 mRNA encoding aminopeptidase N, complete cds	Human aminopeptidase N/CD13 mRNA encoding aminopeptidase N, complete cds			
GEN- 24E	GEN- 24E	GEN- 24E	GEN- 24E	GEN- 24E	GEN- 24E	GEN- 24E	GEN- 25R	GEN- 25R	GEN- 25R	GEN- 25R	GEN- 25R
187011	187011	187011	187011	187011	187011	187011	151530	151530	151530	151530	151530
M21121 187011	M21121	M21121	M21121	M21121	M21121	M21121	M22324	M22324	M22324	M22324	M22324
SCYA5	SCYA5	SCYA5	SCYA5	SCYA5	SCYA5	SCYA5	M22324	M22324	M22324	M22324	M22324

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3179A>G	3285C>T	(-20)G>T	36G>C	132C>T	132C>T	143-	144GT>GT 143-144delGT	508C>T	565G>C	167A>T	167A>T	721G>A	721G>A	1055C>T	1095C>T	1224G>A	1405A>G	1405A>G	
3299	3405	116	231	267	267	278	278	643	700	238	238	792	792	1126	1166	1295	1476	1476	
Human aminopeptidase N/CD13 mRNA:encoding aminopeptidase N,	Human aminopeptidase N/CD13 mRNA encoding aminopeptidase N,	Human RASF-A PLA2	Human RASF-A PLA2	mRNA, complete cds Human RASF-A PLA2	mRNA, complete cds Intercellular adhesion	motecule 1 Intercellular adhesion	molecule 1 Intercellular adhesion	molecule 1 Intercellular adhesion	molecule 1 Intercellular adhesion	molecule 1 Intercellular adhesion	mofecule 1 Intercellular adhesion	molecule 1 Intercellular adhesion	molecule 1 Intercellular adhesion	-2 (54) 					
GEN- 25R	GEN- 25R	GEN-	GEN-	25V GEN-	25V GEN-	25V GEN-	25V GEN-	GEN-	25V GEN-	25V GEN-V	GEN-V	GEN-V	GEN-V	GEN-V	GEN-V	GEN-V	GEN-V	GEN-V	
151530	151530	172411	172411	172411	172411	172411		172411	172411	147840	147840	147840	147840	147840	147840	147840	147840	147840	
M22324 151530	M22324	M22430	M22430	M22430	M22430	M22430	M22430	M22430	M22430	M24283	M24283	M24283	M24283	M24283	M24283	M24283	M24283	M24283	
M22324	M22324	PLA2G2A	PLA2G2A	PLA2G2A	PLA2G2A	PLA2G2A	PLA2G2A	PLA2G2A	PLA2G2A	M24283	M24283	M24283	M24283	M24283	M24283	M24283	M24283	M24283	

	K469E	ო	က	ო	ო	er,	) c	,	က	က		က	ເດ		L44R		က	12075	1	တ		L193F		က		m	•		
	1405A>G	1972C>T	1972C>T	2480C>T	2610G>A	2771G>A		47517 <i>5</i> 2	2864T>C	2867G>A		2879C>T	(-132)C>A		131T>G		1641A>G	1280C>T	10007	321T>C		577C>T		1263C>T		2042A>C			
	14/6	2043	2043	2551	2681	2842		7407	2935	2938		2950	79		341		1851	1604	2	436		692		1378		2157			
molecule 1	Intercellular adhesion molecule 1	Intercellular adhesion	Intercellular adhesion	molecule 1 Intercellular adhesion	mofecule 1 Intercellular adhesion	molecule 1	molecule 1	mercennar auresion molecule 1	Intercellular adhesion	molecule 1 Intercellular adhesion	molecule 1	Intercellular adhesion	molecule 1 Human CD36 antigen	mRNA, complete cds	Human CD36 antigen	mRNA, complete cds	Human CD36 antigen	Refinals acid resentar	gamma 1	Human lymph node	homing receptor mRNA, complete cds	Human lymph node	homing receptor mRNA, complete cds	Human lymph node	homing receptor mRNA,	Human Ivmoh node	homing receptor mRNA,	complete cds	
- !	GEN-V	GEN-V	GEN-V	GEN-V	GEN-V	7.NHC		2	GEN-V	GEN-V		GEN-<	G F N	28R	SEN.	28R	GEN-	707 08-NHO		GEN-29J		GEN-29J		GEN-29J		GEN-29.1			
	14/840	147840	147840	147840	147840	147840	77070	14.040	147840	147840		147840	173510		173510		173510	180100	200	153240		153240		153240		153240			
	M24283 147840	M24283	M24283	M24283	M24283	M24283	404000	1VIZ4203	M24283	M24283		M24283	M24795		M24795		M24795	M24857	1001	M25280		M25280		M25280		M25280 153240			
	M24283	M24283	M24283	M24283	M24283	M24283	1 000	19124203	M24283	M24283		M24283	CD36		CD36		CD36	MOABET	100131	SELL		SELL		SELL		SELL			

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2100C>G	(-52)T>C	(-17)G>A	27T>C	70T>C	120G>A	180C>T	181G>A	202C>A	205A>G	208C>G
2215	32	67	110	153	203	263	264	285	288	291
Human lymph node homing receptor mRNA,	Homo sapiens (clone pAT 464) potential lymphokine/cytokine	Homo sapiens (clone pAT 464) potential lymphokine/cytokine	Homo sapiens (clone pAT 464) potential lymphokine/cytokine	Homo sapiens (clone pAT 464): potential lymphokine/cytokine	Homo sapiens (Jone pAT 464) potential lymphokine/cytokine	Homo sapiens (Clone pAT 464) potential lymphokine/cytokine	Homo sapiens (clone pAT 464) potential			
GEN-29J	GEN- 29M	GEN- 29M	GEN- 29M	GEN- 29M	GEN- 29M	GEN- 29M	GEN- 29M	GEN- 29M	GEN- 29M	GEN- 29M
M25280 153240	601395	601395	601395	601395	601395	601395	601395	601395	601395	601395
M25280	M25315	M25315	M25315	M25315	M25315	M25315	M25315	M25315	M25315	M25315
SELL	SCYA3	SCYA3	SCYA3	SCYA3	SCYA3	SCYA3	SCYA3	SCYA3	SCYA3	SCYA3

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	252T>C	258C>T	312G>A	369C>T	396G>A	466G>A	478C>T	534C>G	577A>G	1357G>A
	335	341	395	452	479	549	561	617	099	1357
lymphokine/cytokine	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	Homo sapiens (clone pAT 464) potential lymphokine/cylokine mRNA, complete cds	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA, complete cds	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA complete cds	Homo sapiens (clone pAT 464) potential lymphokine/cytokine mRNA complete cds	Homo sapiens (coporago de la coporago de la coporag	Human unidentified gene complementary to P450c21 gene, partial cds
	GEN- 29M	GEN- 29M	GEN- 29M	GEN. 29M	GEN- 29M	GEN- 29M	GEN- 29M	GEN- 29M	GEN- 29M	GEN- 2A0
	601395	601395	601395	601395	601395	601395	601395	601395	601395	None
	M25315	M25315	M25315	M25315	M25315	M25315	M25315	M25315	M25315	M25813
	SCYA3	SCYA3	SCYA3	SCYA3	SCYA3	SCYA3	SCYA3	SCYA3	SCYA3	M25813

1694M	ო	ო	A62G	<u>ب</u>	က	က		A15G		(	S			C.				က		C866Y				က				V281M	
2082C>G	2502G>A	2626A>G	185C>G	1163A>T	1207A>G	4604T>G	-	44C>G			10507			365T>C	) } }	1. **		92C>T		2597G>A				5694T>C				841G>A	
2082	2502	2626	259	1237	1281	4686		90		į	LC L			411				95		2729				5826				886	
Human unidentified gene complementary to	Human unidentified gene complementary to P450c21 cene partial cds	Human unidentified gene complementary to	Interleukin 8	Interleukin 8	Interleukin 8	INTERLEUKIN 1	RECEPTOR, TYPE   PRECURSOR	Human JE gene encoding	a monocyte secretory protein mRNA, complete	SDO	numan JE gene encoding	a monocyte secretory protein mRNA, complete	spo	Human JE gene encoding	a monocyte secretory	protein mRNA, complete	spo	Adrenocorticotropic	hormone (ACTH)	Human cystic fibrosis	presumed transmembrane	conductance regulator	(CFTR)	Human cystic fibrosis	mKNA, encoding a	conductance requiator	(CFTR)	Human thymocyte antigen CD1b mRNA, complete	
GEN- 2A0	GEN- 2A0	GEN- 2A0	GEN-3E	GEN-3E	GEN-3E	GEN-3F		GEN-R8		00 1100	פע-גועס			GEN-R8				GEN	2DG	GEN-	Ì			GEN-	707			GEN-	
None	None	None	146930	146930	146930	147810		158105		150105	001001			158105				176830		602421				602421				188360	
M25813	M25813	M25813	M26383	M26383	M26383	M27492		M28226		ACCROM	INICOZEU			M28226				M28636		M28668				M28668				M28826	1
M25813	M25813	M25813	M26383	M26383	M26383	M27492		M28226		ACCROM	142.0220			M28226				POMC		<u> </u>				<u> </u>				CD18	

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	V274M	67	?		V356I	က		ı		o v	þ	c	າ	က		က		က		က		G431S		ဟ	
	820G>A	2524G>A			1066G>A	3366A>G		7.400/T	0/1/024-)	1572A>G		CAFCCRC	7612762	2926C>A		2926C>A		3010G>A		3040G>A		1291G>A		1293C>T	
	936	2640	2		1088	3506		400	1858	1599	3	0840	64C7	2953		2953		3037		3067		1321		1323	
SDO	SERINE/THREONINE PROTEIN PHOSPHATASE 2B CATALYTIC SUBUNIT	BETA ISOFORM SERINE/THREONINE	PROTEIN PHOSPHATASE 2B	CATALYTIC SUBUNIT, BETA ISOFORM	Interleukin 7 receptor	Human endothelial	feukocyte adhesion molecule I (ELAM1)	mRNA, complete cds	Calcineurin B type I	ATP-DEPENDENT DNA	HELICASE II, 86 KD	LINDOOS ATO DEBENDENT AND	HELICASE II, 86 KD	ATP-DEPENDENT DNA	SUBUNIT SUBUNIT	ATP-DEPENDENT DNA	HELICASE II, 86 KU SUBUNIT	ATP-DEPENDENT DNA	SUBUNIT SUBUNIT	ATP-DEPENDENT DNA	SUBUNIT SUBUNIT	Transcription factor 3 (E2A	immunoglobulin enhancer binding factors F12/F47)	Transcription factor 3 (E2A	immunoglobulin enhancer
	GEN-F3	GEN-F3			GEN-3H	GEN-RB		X NEC	X-ZEC	GEN-F5		GEN.FS		GEN-F5		GEN-F5		GEN-F5		GEN-F5		GEN-F7		GEN-F7	
	M29551 114106	114106			146661	131210		114106	114106	194364		194364	† 2	194364		194364		194364		194364		147141		147141	
	M29551	M29551			M29696	M30640		M30773	M30773	M30938		M30938	200	M30938		M30938		M30938		M30938		M31523		M31523	
	M29551	M29551			M29696	M30640		F7705W	M30773	M30938		M30938		M30938		M30938		M30938		M30938		M31523		M31523	

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1302G>A		1308T>C			15/80>6		3992G>A		4224T>A			587T>G		1087G>A		1579G>T		2809G>A		3582G>A	í	(-3(2-)			H	36C>T			1	4211>6		464T>C	) : :		92C>T
1332	100	1338		9	1608		4022		4254			929		1176		1668	0	8887	ì	3671	í	20			ć	85			;	446		489	}		92
binding factors E12/E47) Transcription factor 3 (E24)	immunoglobulin enhancer	binding factors E12/E47) Transcription factor 3 (E2A	immunoglobulin enhancer	binding factors E12/E47)	Iranscription factor 3 (EZA	binding factors E12/E47)	Transcription factor 3 (E2A	immunoglobulin enhancer	Transcription factor 3 (E2A	Immunoglobulin enhancer	binding factors E12/E47)	Tumor necrosis factor	receptor 2 (75kD)	Tumor necrosis factor	receptor 2 (75kD)	Tumor necrosis factor	receptor 2 (75kD)	i umor necrosis factor	receptor 2 (75kD)	Tumor necrosis factor	receptor 2 (75kD)	Human heparin-binding	vascular endothelial growth	tactor (VEGF) mRNA,	complete cds	Human heparin-binding	vascular endothelial growth	factor (VEGF) mKNA,		Hrma	gamma-chain mRNA,	complete cds Human Fraensiton-recentor	gamma-chain mRNA,	complete cds	Human trypta
GEN.F7		GEN-F7		1	CEN-1/		GEN-F7		GEN-F7			GEN-3M		GEN-3M		GEN-3M	i	GEN-3M		GEN-3M		GEN-2JF			1	GEN-2JF			i	GE 6	ZJR	A N	2JR		GEN-RD
147141		147141			14/141		147141		147141			191191		191191		191191	,	191191		191191	0	192240			. 000	192240				147139		147139	3		191080
M31523 147141	220	M31523			M31523		M31523		M31523 147141			M32315		M32315		M32315		M32315		M32315		M32977			1	M32977				M33195		M33195			M33491
M31523	070 CW	M31523			M31523		M31523		M31523			M32315		M32315		M32315		M32315	1	M32315	1	VEGF			į	VEGF			1	M33195		M33195			M33491

T131R	တ	C236Y	A244T	က	က	ო	ო	ო	က	က	ო	ო	တ	R199H	Ø	1217T
392C>G	609G>A	707G>A	730G>A	837T>G	840G>T	1008T>C	1050C>T	1060A>G	827G>A	1046T>C	1174C>T	1178G>A	516T>C	596G>A	603C>T	650T>C
392	609	707	730	837	840	1008	1050	1060	1065	1284	1412	1416	561	641	648	695
Human tryptase-I mRN	Human tryptase-I mRN	end Human tryptase-I mRNA, 3	Human tryptase-I mRNA, 3	Human 26-kDa cell surface protein TAPA-1 mRNA.	complete cds Human 26-kDa cell surface protein TAPA-1 mRNA,	complete cds Human 26-kDa cell surface protein TAPA-1 mRNA,	complete cds Human 26-kDa cell surface protein TAPA-1 mRNA,	complete cds Human MHC class II HLA- DQB1 mRNA, complete	cds Human MHC class II HLA- DQB1 mRNA, complete	Cos Human MHC class II HLA- DQB1 mRNA, complete	cds Human MHC class II HLA-					
191080 - GEN-RD	GEN-RD	GEN-RD	GEN-RD	GEN-RD	GEN-RD	GEN-RD	GEN-RD	GEN-RD	GEN- 2K3	GEN- 2K3	GEN- 2K3	GEN- 2K3	GEN- 2KB	GEN- 2KB	GEN- 2KB	GEN-
191080	191080	191080	191080	191080	191080	191080	191080	191080	186845	186845	186845	186845	142857	142857	142857	142857
M33491	M33491	M33491	M33491	M33491	M33491	M33491	M33491	M33491	M33680	M33680	M33680	M33680	M33907	M33907	M33907	M33907
M33491	M33491	M33491	M33491	M33491	M33491	M33491	M33491	M33491	M33680	M33680	M33680	M33680	HLA- DQB1	HLA- DQB1	HLA- DQB1	HLA-

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	726G>C	735C>T	371A>G	408G>A	572T>C	1419C>T	2749A>C	2875T>C	3048G>A	3066T>A	35T>C	131C>A	176T>C	346C>T	882T>C	1<9696	1143C>A	1143C>A
	171	780	449	486	650	1448	2778	2904	3077	3095	23	149	194	364	900	987	1161	1161
DQB1 mRNA, complete cds	Human MHC class II HLA- DQB1 mRNA, complete cds	Human MHC class II HLA- DQB1 mRNA, complete cds	FKBP, tacrolimus binding protein, FK506-binding protein 1 (12kD)	FKBP, tacrollmus binding protein, FK506-binding protein (12kD)	FKBP, tacrolimus binding protein, FK506-binding protein 1 (12kD)	Human integrin beta-5 subunit mRNA, complete cds	Leukocyte integrin beta-3											
2KB	GEN- 2KB	GEN- 2KB	GEN-3N	GEN-3N	GEN-3N	GEN- 2LV	GEN- 2LV	GEN- 2LV	GEN- 2LV	GEN- 2LV	GEN-Y	GEN-≺						
	142857	142857	186945	186945	186945	147561	147561	147561	147561	147561	173470	173470	173470	173470	173470	173470	173470	173470
	M33907 142857	M33907	M34539	M34539 186945	M34539	M35011	M35011 147561	M35011	M35011	M35011	M35999	M35999	M35999	· M35999	M35999	M35999	M35999	M35999
DQB1	HLA- DQB1	HLA- DQB1	M34539	M34539	M34539	M35011	M35011	M35011	M35011	M35011	M35999							

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1533G>A	1533G>A	1544G>A	1545G>A	1545G>A	2208C>T	2408G>C	3038C>T	3080A>G	3385A>T	3909C>T	2406T>C		1001C>A		1236T>C			1281C>A			297A>G		731A>G	770A>T		802C>T	1149T>C	0.T7071	) \ - \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	2514G>A	3093C>T	TYCCOCC	100000	
1551	1551	1562	1563	1563	2226	2426	3056	3098	3403	3927	2526		1046		1281	2		1326			449	;	883	922		954	1301	1840	n 1	2666	3245	30.45	3243	
 Y Leukocyte integrin beta-3	Y Leukocyte integrin beta-3			Y Leukocyte integrin beta-3	Y Leukocyte integrin beta-3					C surface glycoprotein (CD8- heta) mRNA complete cde	٠.	surfac	beta)		surfac	beta) mRNA, complete cds	l- Phospholipase C gamma-2		- Phospholipase C gamma-2	n I- Phospholipase C gamma-2		- Phospholipase C gamma-2	1 - Phospholipase C gamma-2	1 Dhosabolinasa C gamma, 9	-	- Phospholipase C gamma-2	- Phospholipase C gamma-2			-				
GEN-Y	GEN-≺	GEN-Y	GEN-≺	GEN-Y	GEN-Y	GEN-Y	GEN-Y	GEN•Y	GEN-Y	GEN-Y	GEN-	2MS	GEN	2NC	, NHC.	SNC		GEN-	2NC		GEN-	į,	S S	S E	201	GEN-	GEN-	201 1	20.5	GEN	GEN S	֓֞֝֟֝֟֝֟֝֓֟֟֝֓֟֟֓֓֓֟֟֟֓֓֟֟֓֓֓֓֟֟ ֓֓֞	בֿל פֿל	
173470	173470	173470	173470	173470	173470	173470	173470	173470	173470	173470	126391		186730		186730			186730			600220		600220	600220		600220	600220	600220	0000	600220	600220	600000	000550	
M35999	M35999	M35999	M35999	M35999	M35999	M35999	M35999	M35999	M35999	M35999	M36067		M36712		M36712	1		M36712			M37238		M37238	M37238		M37238	M37238	R27238		M37238	M37238	M37038	WO 2 200	
M35999	M35999	M35999	M35999	M35999	M35999	M35999	M35999	M35999	M35999	M35999	LIG1		M36712		M36712	)		M36712			PLCG2	i i	PLCG2	PLCG2		PLCG2	PLCG2	ā	-	PLCG2	PLCG2	650 Id	20	

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	G1095D	ო	w	w	N563S	G670R	ဗ	က	က	က	P56L	V333E	H353N	တ	တ	တ	F503L	ဟ	S287R	<b>ග</b>	
	3284G>A	4055C>G	27C>G	1452C>T	1688A>G	. 2008G>A	2275G>A	768T>G	775T>G	896G>A	167C>T	998T>A	1057C>A	1326G>T	1431C>T	1431C>T	1507T>C	45T>C	859A>C	1032G>A	
	3436	4207	152	1577	1813	2133	2400	819	826	947	323	1154	1213	1482	1587	1587	1663	193	1001	1180	
	Phospholipase C gamma-2	Phospholipase C gamma-2	Human leukocyte surface protein (CD31) mRNA,	Human leukocyte surface protein (CD31) mRNA, complete cds	Human leukocyte surface protein (CD31) mRNA, complete cds	Human feukocyte surface protein (CD31) mRNA, complete cds	Human leukocyte surface protein (CD31) mRNA, complete cds	Human CD9 antigen mRNA, complete cds	Human CD9 antigen	Human CD9 antigen mRNA, complete cds	acetylcholinesterase	Human casein kinase II alpha subunit mRNA,	complete cds Human casein kinase II alpha subunit mRNA,	complete cds Human casein kinase II							
201	GEN-	GEN-	GEN- 20L	GEN- 20L	GEN- 20L	GEN- 20L	GEN- 20L	GEN-	GEN-	GEN-	<b>GEN-30</b>	<b>GEN-30</b>	GEN-30	GEN-30	GEN-3Q	GEN-30	GEN-3Q	GEN- 35Y	GEN- 35Y	GEN-	
	600220	600220	173445	173445	173445	173445	173445	143030	143030	143030	100740	100740	100740	100740	100740	100740	100740	115440	115440	115440	
	M37238	M37238	M37780	M37780	M37780	M37780	M37780	M38690 143030	M38690	M38690	M55040	M55265	M55265 115440	M55265 115440							
-	PLCG2	PLCG2	PECAM1	PECAM1	PECAM1	PECAM1	PECAM1	6QO	600	СОЭ	M55040	CSNK2A1	CSNK2A1	CSNK2A1							

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	M351V	ဗ	Ø	123T	w	P391A	S	တ	A72S	S	တ	M158V	M158V	S	Ľ	က	A57V	
	1051A>G	1369C>A	1755G>A	68T>C	951G>A	1171C>G	186T>C	186T>C	214G>T	219G>A	408C>G	472A>G	472A>G	609C>T	827delC	835C>A	170C>T	
	1199	1532	1936	68	951	1171	390	390	418	423	612	929	929	813	1031	1039	226	
alpha subunit mRNA,	complete cds Human casein kinase II alpha subunit mRNA,	Human casein kinase II alpha subunit mRNA,	complete cds Human factor KBF1	Human neurokinin A receptor (NK-2R) mRNA,	Human neurokinin A receptor (NK-2R) mRNA,	Human neurokinin A receptor (NK-2R) mRNA,	Catechol-O-	Catechol-O	metnyitransferase Catechol-O-	Catachol-O-	Catechol-O-	methyltransferase Catechol-O-	methyltransferase Catechol-O-	methyltransferase Catechol-O-	methyltransferase Catechol-O-	metnyltransferase Catechol-O-	neurylitaristerase GEN-395 Homo sapiens CD24 signal transducer mRNA,	
35∀	GEN- 35Y	GEN- 35X	GEN-RP	GEN- 4FK	GEN- 4FK	GEN- 4FK	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-395	
	115440	115442	164011	None	None	None	116790	116790	116790	116790	116790	116790	116790	116790	116790	116790	103000	
	M55265 115440	M55268	M55643	M57414	M57414	M57414	M58525	M58525	M58525	M58525	M58525	M58525	M58525	M58525	M58525	M58525	M58664	
	CSNK2A1	CSNK2A2	M55643	M57414	M57414	M57414	M58525	M58525	M58525	M58525	M58525	M58525	M58525	M58525	M58525	M58525	M58664	

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514A>T	1053A>G	1278C>G	1289T>C	1318C>T	1347C>T	1352T>G	1359C>A	1621A>G	886T>G	639C>A	1887C>A	2025G>A	1463A>G	2079C>T	2079C>T
570	1109	1334	1345	1374	1403	1408	1415	1677	903	644	1892	2030	1562	2178	2178
complete cds GEN-395 Homo sapiens CD24 signal transducer mRNA, complete cds	Homo saplens trans	Homo sapiens trans	Homo saplens trans	Homo sapiens transo	Homo sapiens transo	Homo saptens CD24:signal transducer mRNA, complete cds	Homo sapiens CD24 signal transducer mRNA, complete cds	Homo saptens CD24 signal transducer mRNA, complete cds	Human pan-leukocyte antigen (CD48) mRNA, complete cds	Cyclooxygenase 1 COX1	Cyclooxygenase 1 COX1	Cyclooxygenase 1 COX1	Vascular cell adhesion molecule 1	Vascular cell adhesion	Vascular cell adhesion molecule 1
GEN-395	GEN-395	GEN-395	GEN-395	GEN-395	GEN-395	GEN-395	GEN-395	GEN-395	GEN- 3AE	GEN-Z	GEN-Z	GEN-Z	GEN-3U	GEN-3U	GEN-3U
M58664 103000	103000	103000	103000	103000	103000	103000	103000	103000	109530	176805	176805	176805	192225	192225	192225
M58664	M58664	M58664	M58664	M58664	M58664	M58664	M58664	M58664 103000	M59904	M59979	M59979	M59979	M60335	M60335	M60335
M58664	M58664	M58664	M58664	M58664	M58664	M58664	M58664	M58664	CD48	M59979	M59979	M59979	M60335	M60335	M60335

S	တ	က	S376L	က	A346E	ო	တ	769A	က	က	C191Y	တ	S	ဟ	S	ഗ	ဟ	ဟ	တ	
2097T>C	2208A>G	2222T>C	1127C>T	1728T>C	1037C>A	1119G>C	171C>T	205G>T	690C>T	792A>C	572G>A	669A>G	699T>C	825T>G	834G>A	1009T>C	1029C>G	1107G>A	1164C>T	
2196	2307	2321	1164	1765	1082	1164	183	217	702	804	645	693	723	849	858	1033	1053	1131	1188	
Vascular cell adhesion	Vascular cell adhesion molecule 1	Vascular cell adhesion	Human transcobalamin II (TCII) mRNA, complete	Human transcobalamin II (TCII) mRNA, complete	Human N-formylpeptide receptor (fMLP-R98)	Human N-formylpeptide receptor (fMLP-R98)	Cyclophilin B	Cyclophilin B	Cyclophilin B	Cyclophilin B	Human cell surface antigen (CD53) mRNA, complete cds	Tubulin, gamma	Tubulin, gamma	polypeptide Tubulin, gamma	polypeptide					
GEN-3U	GEN-3U	GEN-3U	GEN- 3AX	GEN- 3AX	GEN- 385	GEN- 3B5	GEN-10	GEN-10	GEN-10	GEN-10	3BA	GEN-FO	GEN-FO	GEN-FO	GEN-FO	GEN-FO	GEN-FO	GEN-FO	GEN-FO	
192225	192225	192225	275350	275350	136537	136537	123841	123841	123841	123841	151525	191135	191135	191135	191135	191135	191135	191135	191135	
M60335	M60335	M60335	M60396	M60396	M60626	M60626	M60857	M60857	M60857	M60857	M60871	M61764	M61764	M61764	M61764	M61764	M61764	M61764	M61764	
M60335	M60335	M60335	TON2	TCN2	FPR1	FPR1	M60857	M60857	M60857	M60857	CD53	M61764	M61764	M61764	M61764	M61764	M61764	M61764	M61764	SD-144146.1

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Y91D	ဟ	V133A	K175N	K207R	N217D	K231R	V268M	1391V	A105V	က	က	ഗ	щ	ഗ	ഗ	S	က	က	ო
271T>G	1533C>T	398T>C	525A>T	620A>G	649A>G	692A>G	802G>A	1171A>G	314C>T	927A>G	927A>G	1353T>A	1365G>A	1419G>A	1176C>T	306T>C	956T>C	1025G>A	1080A>G
271	1533	398	525	620	648	692	802	1171	384	266	266	1500	1512	1566	1327	400	1050	1119	1174
 Granulocyte colony- stimulating factor	Granulocyte colony- stimulating factor	Histamine receptor H2	Human complement component C5 mRNA,	Endothelin 2	Endothelin 2	Endothelin 2	Dopamine Receptor D5	Dopamine Receptor D5	Dopamine Receptor D5	Leukocyte integrin beta-7	Homo sapiens MAD-3 mRNA encoding IkB-like	Homo sapiens MAD-3 mRNA encoding IkB-like activity, complete cds	Homo sapiens MAD-3 mRNA encoding IkB-like	Homo sapiens MAD-3 mRNA encoding lkB-like activity, complete cds					
GEN-3X	GEN-3X	GEN- 4DN-	GEN- 4DN	GEN-	GEN-	GEN- 4DN	GEN- 4DN-	GEN- 3FT	GEN- CBS	GEN- CBS	GEN- CBS	GEN-4EI	GEN-4EI	GEN-4EI	GEN-15	GEN-31Z	GEN-31Z	GEN-31Z	GEN-31Z
120420	120420	None	None	None	None	None	None	120900	131241	131241	131241	126453	126453	126453	147559	164008	164008	164008	164008
M64592	M64592	M64799	M64799	M64799	M64799	M64799	M64799	M65134	M65199	M65199	M65199	M67439	M67439	M67439	M68892	M69043	M69043	M69043	M69043
M64592	M64592	M64799	M64799	M64799	M64799	M64799	M64799	S	EDN2	EDN2	EDN2	M67439	M67439	M67439	M68892	M69043	M69043	M69043	M69043

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385A>C	886C>T	891T>G	891T>G	1026A>T	1323G>A	1410C>T	1410C>T	1559A>G	131A>C	483C>T	1	512G>T	85G>A				502G>A				1513G>A				1623T>C			1737G>C				18840>1			1250C>T	
435	936	941	941	1076	1373	1460	1460	1609	131	483	1	512	2673				3090				4101			ļ	4211			4325			0077	4402			1396	
Monoamine oxidase A	Interferon alpha 17	Interferon alpha 17		interreron alpha 17	Human neutrophil	lactoferrin mRNA,	complete cds and 5	promoter region	Human neutrophil	lactoferrin mRNA,	complete cds and 5	promoter region	Human neutrophil	lactoferrin mRNA,	complete cds and 5	promoter region	Human neutrophil	complete cds and 5	promoter region	Human neutrophil	lactoferrin mRNA,	complete cds and 5	promoter region		complete cds and 5	Complete cas and o	GEN-64 Interleukin 3 receptor, alpha									
GEN-3Z	GEN-3Z	GEN-3Z	<b>GEN-32</b>	GEN-3Z	<b>GEN-3Z</b>	GEN-3Z	<b>GEN-3Z</b>	GEN-3Z	GEN-	GEN-	3KO	SKO SKO SKO	GEN-S6				GEN-S6	•			GEN-S6				0 - N - N - N - N - N - N - N - N - N -			GEN-S6			90	GCIV-30			GEN-64	
309850	309850	309850	309850	309850	309850	309850	309850	309850	None	None	1	None	150210				150210				150210			0	012061			150210			150010	2061			308385	
M69226	M71246	M71246	1174046	1017 1240	M73700				M73700 150210				M73700				00/5/M			M73700			M73700 150010				M74782									
M69226	M71246	M71246	074740	0471 /101	M73700				M73700				M73700			001011	M/ 5/00			M73700			M73700				M74782									

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•		(815)	790C>A	1019C>T		205G>A	585.0>0	1060C>G	104545		2197G>A		129C>T	371T>G	861G>C	1180G>A	1770G>C	3218C>T	4149C>G	652G>A	1353G>C	1104C>T	÷	1350G>A			
	i	CB/	804	1033		241	756	1240	1228	2	2490		190	432	925	1241	1834	3282	4213	969	1397	1222		1468			
	(low affininty)	Human B29 mKNA, complete cds	Human B29 mRNA,	Human B29 mRNA,	complete cds	Human MB-1 mRNA,	Complete cds	Thrombovane synthase	Himan CD34 mDNA	complete cds	Human CD34 mRNA,	complete cds	Serotonin 5-HT receptors	Serotonin 5-HT receptors 5-HT1D	Serotonin 5-HT receptors	Serotonin 5-HT receptors 5-HT1D	Leukocyte integrin alpha-x	Leukocyte integrin alpha-x	Leukocyte integrin alpha-x	Tachylinins NK1 receptor	Tachylinins NK1 receptor	Human	neuroendocrine/beta-cell- type calcium channel alpha-1 subunit mRNA,	Human	neuroendocrine/beta-cell-	type calcium channel	ילאואוווייייייייייייייייייייייייייייייי
	i	SER.	GEN-	GEN-	3UT	GEN	SOS SOS		ינולים האים האים האים האים האים האים האים הא	S S	GEN	3/N	GEN- 3VZ	GEN-	GEN-	GEN-	GEN-17	GEN-17	<b>GEN-17</b>	GEN-	GEN- 3W8	GEN-	347	AHN.	377		
		147245	147245	147245	1	112205	274180	274180	112230	144430	142230		182131	182131	182131	182131	151510	151510	151510	162323	162323	114206		114206			
	0	M80461	M80461	M80461		M80462	MACAG	NABORAR BARORAR	M81101	2	M81104		M81590	M81590	M81590	M81590	M81695	M81695	M81695	M81797	M81797	M83566		M83566 114206			
	1	CD/9B	CD79B	CD79B		M80462	MRORAR	Mededa	2000	į	CD34		M81590	M81590	M81590	M81590	M81695	M81695	M81695	TAC1R	TAC1R	M83566		MR3566	)		•

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